

Dítec



Automatic pedestrian doors

Kits and assembled operators

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EN

Automatic pedestrian doors Kit and assembled operators

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AUTOMATION AND SYSTEMS FOR SLIDING DOORS

Interior sliding doors

Ditec OLLY C

Ditec CIVIK

Commercial sliding doors

Ditec DAS107PLUS

Ditec DAS200

Ditec DAS200HD

Ditec DAS200T

Emergency exit systems

Ditec DAS200RG Redundant

Ditec DAS200TRG Redundant

Breakout systems

Sliding doors for special applications

Ditec Valor HS

Ditec Valor HH

Ditec OLLY C - Ditec CIVIK



Automation systems for interior sliding doors with one or two wings, versatile, silent, easy to install and with a clean, neutral look, thanks to the reduced-height cover and EURAS C0 silver finish.

The 24 Vdc gear motor with encoder ensures smooth, fluid movement that is completely safe.

The electronic panel and accessories make it possible to manage the kinematics of the door, offering various operating modes: PUSH&GO, PULL&CLOSE, sensor-based opening, push-button opening, or opening via radio using Ditec ZEN4 remote controls or a special radio function selector. Customers are sure to find the mode they require.

ELEGANT



VERSATILE

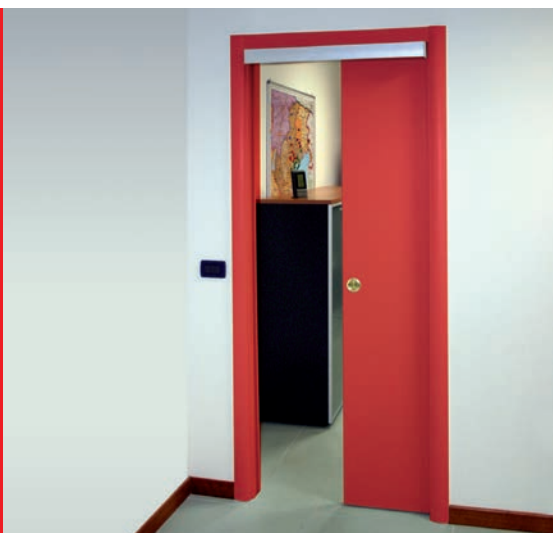


EASY TO ASSEMBLE



Technical specifications of available models and main functions of the system

	OLLY C	CIVIK		EL51
Description	electromechanical actuator for interior sliding doors	electromechanical actuator for interior sliding doors	Description	for 1 24 Vdc motor
Special uses	disabled use	disabled use	Mains power supply	230 Vac / 50-60 Hz
Stroke control	encoder	encoder	Energy saving	energy saving when in stand-by and in use
Maximum capacity	40 kg (1 wing) 55 kg (2 wings)	60 kg (1 wing) 80 kg (2 wings)	Number of motors	1
Power supply	230 Vac / 50-60 Hz	230 Vac / 50-60 Hz	Motor power supply	24 Vdc / 1.8 A
Power input	0.2 A	0.2 A	Accessories power supply	24 Vdc / 0.36 A
Torque / Thrust	30 N	30 N	Electro-mechanical lock	24 Vdc / 0.5 A
Opening speed	0.4 m/s (1 wing) 0.8 m/s (2 wings)	0.4 m/s (1 wing) 0.8 m/s (2 wings)	Kinematic management with Encoder	■
Closing speed	0.2 m/s (1 wing) 0.4 m/s (2 wings)	0.2 m/s (1 wing) 0.4 m/s (2 wings)	Detection of obstacles (causes the gate to stop when opening or reverse when closing)	■
Maximum opening	2000 mm	1610 mm	Push opening (PUSH&GO)	■
Operating temperatur	-20°C / +55°C	-20°C / +55°C	Pull closing (PULL&CLOSE)	■
Protection rating	IP 20	IP 20	Opening control	■
Product dimensions mm (H x W x L)	67 x 114 x L	75 x 130 x L	Closing control	■
Control panel	EL51 (built in)	EL51 (built in)	Timer-controlled automatic closing	0 - 30 s
			Monitored emergency reverse	■
			Opening safety function (speed limiting)	■



Designed for installation on commercially available runners for hideaway doors, Ditec OLLY C represents a great-looking solution for the automation of residential sliding doors.



EASY TO ASSEMBLE

- Basic and intuitive with just a few screws to put it together
- PLUG&PLAY automation system



INTELLIGENT

- Compatible with all commercially available runners for hideaway doors
- Compact, light and silent



VERSATILE

- Multiple functions such as PULL&CLOSE, activated via sensors and controlled remotely via radio
- Wide range of accessories to adapt to any requirements
- LOW ENERGY mode with wide range of wing weight adjustment

Full automation set for single or double wing interior sliding door

The set contains, in a single package, the necessary automation to make up an interior single or dual wing sliding door.

Consists of: 1 actuator complete with control panel + 1 transmission unit + brackets + mounting profile and cover, both made of anodised aluminium + brushes + belt and screws

Article Code	Description of article
PMDOITOC10P	Full set L = 1000 mm for single wing max. width = 1000 mm
PMDOITOC20P	Full set L = 2000 mm for double wing max. width = 2000 mm

Note: When opened, the automation reduces the transit opening size by 9 cm x 1 wing, 18 cm x 2 wings

Basic automation

Article Code	Description of article
PMKOC1P	Fixed components kit for one wing consisting of an actuator complete with a control panel, transmission unit and brackets
PMKXL037K	Kevlar transmission belt, 20 m roll

Specific accessories

Article Code	Description of article
PMOCL	Radio receiver kit complete with cabling and transmitter

Function-selectors

Article Code	Description of article
PMCOM501HCV	Mechanical function-selector with handle operation



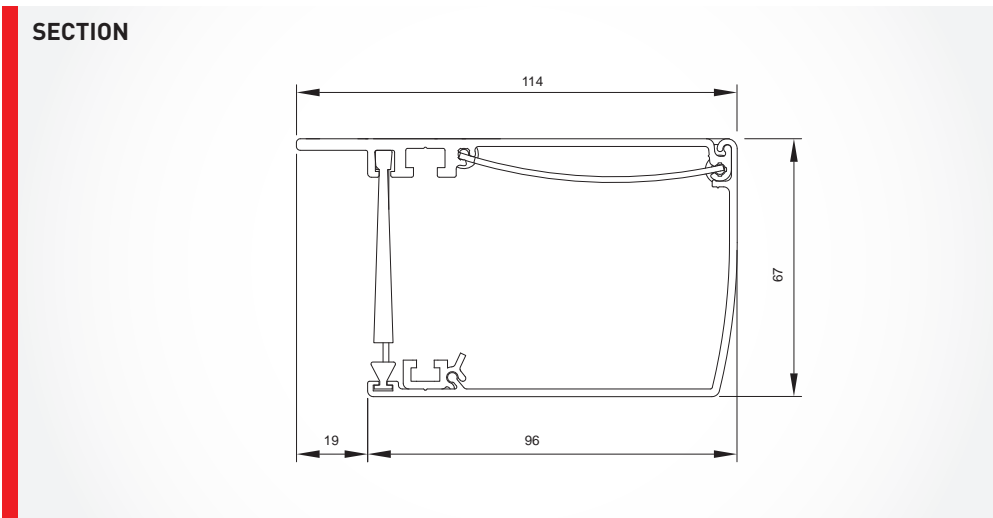
DOITOC10P



OCL



COM501HCV





DO IT



Easy to install and versatile with its multiple applications, Ditec CIVIK represents the ideal solution for all residential environments, as well as small commercial locations such as offices and legal firms that want to convey elegance and refined style.



ELEGANT

- Sleek design
- Compact thanks to its 75 mm-high cover
- Brushed aluminium cover



VERSATILE

- Automation system suitable for generic frames, glass and wood wings
- PUSH&GO and PULL&CLOSE features
- Activation by sensors, pushbuttons or remote control (Ditec ZEN)



SAFE

- Monitoring safety sensors in opening and closing
- Internal LED indicating diagnostics and alarms
- LOW ENERGY mode with wide range of wing weight adjustment

Automation set (complete with trolleys) for single or dual sliding door

The set contains, in a single package, the necessary automation to make up a single or dual wing sliding door
 Consists of: 1 actuator complete with control panel + 1 transmission unit + brackets + EURAS C0 aluminium mounting profile and cover + runners

Article Code	Description of article
PMDOITCVK22P	Full set L 2200 mm (may be reduced) for one wing 1100 mm max with 1060 mm max opening
PMDOITCVK33P	Full set L 3300 mm (may be reduced) for one wing 1650 mm max with 1610 mm max opening

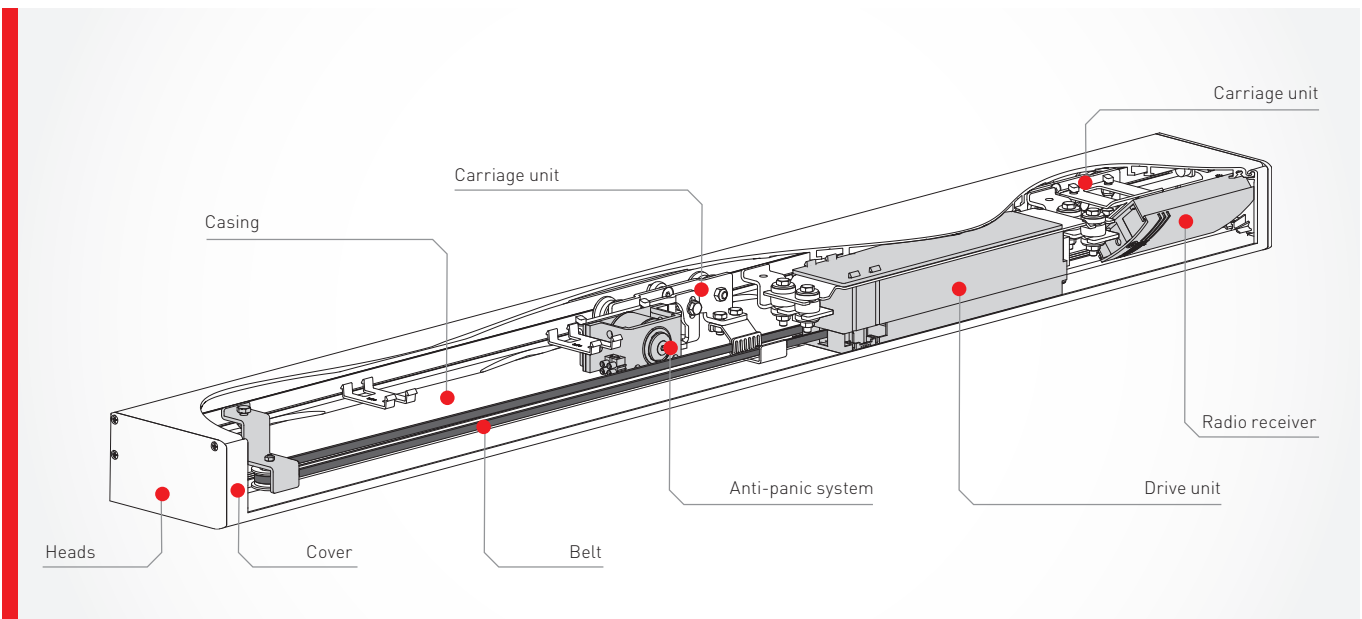
Note: To make up a 2 wing door, KCIVIKGCL runner unit must be added

Connections for movable glass wings to be combined with the DO ITs specified above to create the glass wing solution

CIVIKAC + 20AC1356 (mill finish aluminium connection profile for glass wing)

CIVIKAC + 20AC1356N (EURAS C0 aluminium connection profile for glass wing)

Article Code	Description of article
PMCIVIKAC	Glass wing connection kit



Ditec CIVIK

Automation for interior sliding doors

Maximum capacities	
1 wing	2 wings
60 Kg	80 Kg

KIT

Basic automation

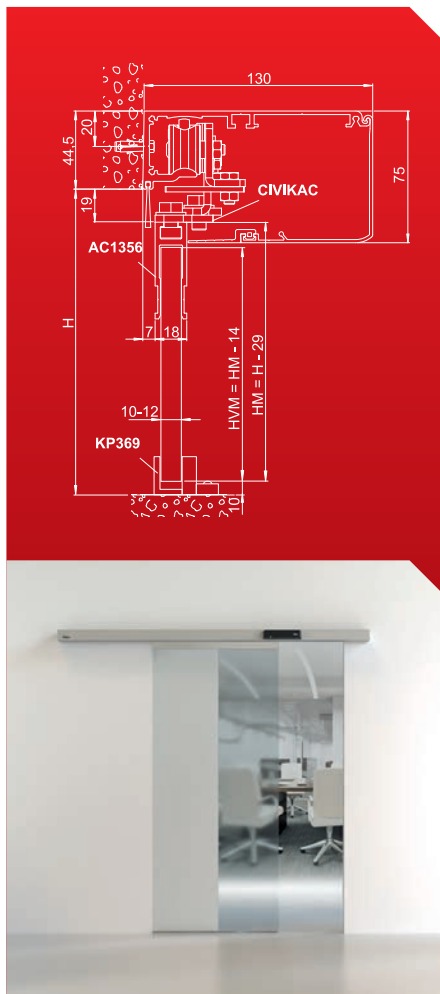
Article Code	Description of article
PMKCIVIK1P	Fixed component kit for 1 CIVIK wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - Drive control unit - Transmission unit - Box head
PMKXL037K	Kevlar transmission belt, 20 m roll
PMV3760N66	EURAS C0 casing profile

Front cover

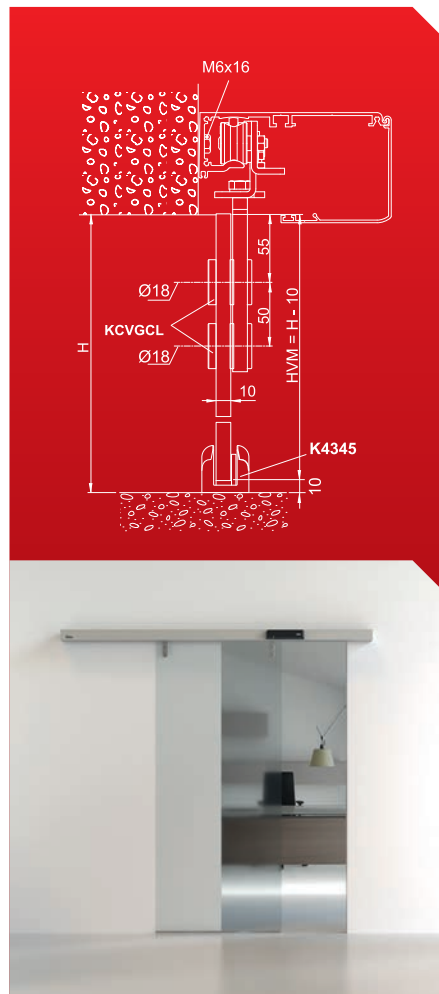
Article Code	Description of article
PMV3759N66	EURAS C0 cover profile
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Installation example

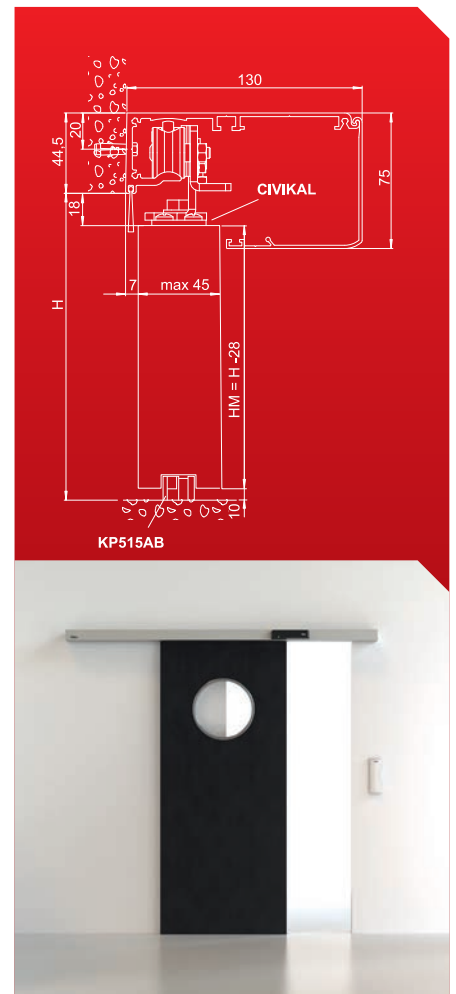
CIVIK WITH GLASS WING AND AC1356 CONNECTION



CIVIK WITH GLASS WING AND TECHNICAL CONNECTION



CIVIK WITH GENERIC FRAME



Ditec CIVIK

Automation for interior sliding doors

Maximum capacities	
1 wing	2 wings
60 Kg	80 Kg

Components for glass wings can be supplied separately with technical connections

Article Code	Description of article
PMKCIVIKGCL	Trolleys and components for the second wing to be matched to KCVGCL
PMKCVGCL	Additional kit to install a glass wing complete with 2 connecting grippers and floor runner

Specific accessories

Article Code	Description of article
PMOCL	Radio receiver kit complete with cabling and transmitter
PMCIVIKLA	Anti-panic system complete with brackets
PMCIVIKAL	Wooden wing connection kit

Function-selectors

Article Code	Description of article
PMCIVIK3P	Built-in sensor for manual - automatic - door-open operation
PMCOM501HCV	Mechanical function-selector with handle operation

Floor runners

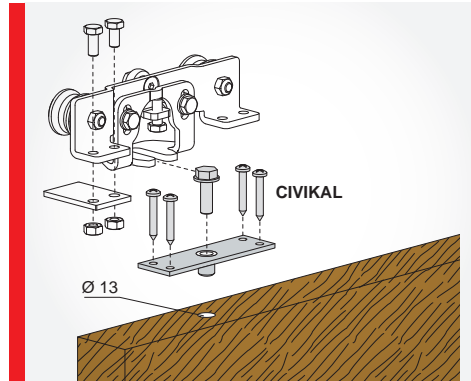
Article Code	Description of article
PMKP515AB	Framed wing guide runner
PMKP369	Glass wing guide runner
PMK4345	Adjustable guide runner for glass wings

Brush

Article Code	Description of article
PMVSP25V25	Seal brush (supplied as rod L = 2500 mm)



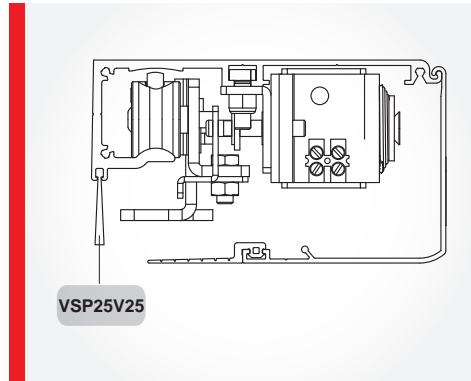
CIVIKLA



CIVIKAL



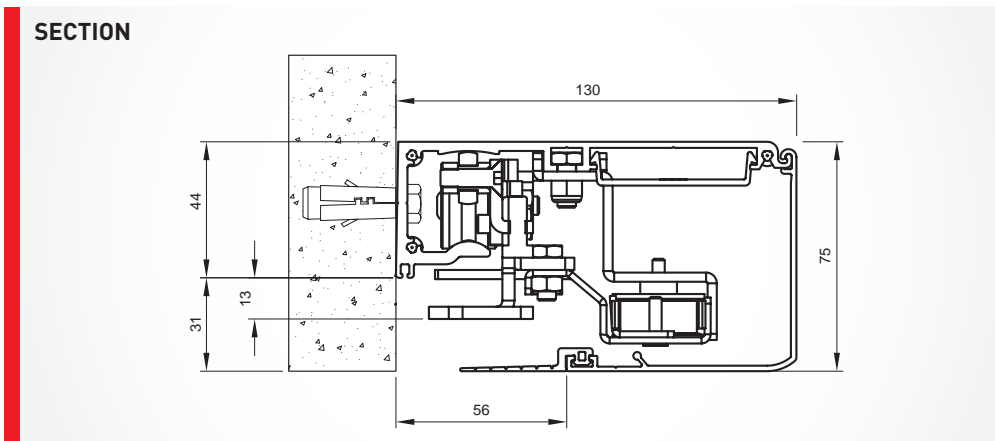
CIVIK3P



VSP25V25



COM501HCV





Ditec DAS107PLUS is the sliding door operating system that meets all the requirements for **commercial doors** up to **160 kg**. Designed for quick and easy installation, it is the ideal solution for entrance-automation systems professionals looking for **simplicity in warehouse management and easy maintenance**. With its neutral and pleasant aesthetics, Ditec DAS107PLUS meets the demands of modern buildings. The convenient assembly kit contains all the necessary components for mounting the operating system, including door holder and fixing plates for commercial frames.

QUALITY &
RELIABILITY



TIME SAVING
INSTALLATION



EASY
LOGISTICS



Technical specifications of available models

DAS107PLUS		Additional optional equipments	
Description	automation for sliding doors	Couple of photocells	■
Drive type	encoder	Battery pack 12 Vdc (emergency)	■
Max door panel weight	120 kg (1 wing) 160 kg (2 wings)	Battery pack 24 Vdc (back-up)	■
Endurance test	1 M cycles	Fail safe lock	■
Gearmotor	24 Vdc with encoder	Fail secure lock (with release handle)	■
Power supply *	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz	Operational functions	
Max nominal power	75 W	Function-selector mode	
Accessories power supply	0.64 A @ 24 Vdc	- Automatic	■
Opening and closing speed	1.0 m/s bi-part door (adjustable)	- Permanent open	■
Hold open time	0-60 s (adjustable)	- Partial open	■
Operating temperature	-20°C / +50°C	- Exit only	■
Protection rating	IP20	- Permanent close	■
Dimensions (H x D x L)	120x140xL mm	Automatic reversal in case of obstacle	■
Max operator length	5600 mm	Key command	■
Max clear passage (with 50 mm overlap fixed/ mobile)	2715 mm (1 wing) 1370 mm x 2 (2 wings)	Continuous closing force	■
		Self-learning	■
		Parameters adjustment by display	■
		Error message by display	■

* Same product suits 230 Vac and 120 Vac power supply



QUALITY & RELIABILITY

- Performing electromechanical operator for up to **160 kg** door weight
- Tested up to **1 Million cycles**
- Long-lasting 24 Vdc motor with built-in Encoder (brand **DUNKERMOTOREN™**)
- Reinforced techno-polymer wheels in **DUPONT™ Delrin®**
- Fully tested and **certified by TÜV SÜD**



TIME SAVING INSTALLATION

- **PLUG & PLAY** connectors
- **Automatic self-learning** start-up mode, with **auto detection** of:
 - weight of wings
 - passage opening
 - presence of locking device and typology (fail safe, fail secure)
 - presence of emergency and back-up batteries
- Easy and accurate control panel setting with **digital programming** and just few key parameters
- **Switching power supply** covering a wide range of electric voltages (100 ÷ 240 Vac, -10%/+10%; 50/60 Hz)
- **Easy adjustment** of trolleys and belt



EASY LOGISTICS

- Easy to order: 1 kit, 1 casing and 1 cover and you're ready to start with your operator
- The convenient kit item includes power supply, gear motor, control panel, trolleys and brackets
- Casing and cover available length: **4450** and **6650 mm**
- Selected range of accessories to complete your installation
- **One door holder** for every application, designed in conjunction with **Ditec AC glass profile wing**, **Ditec PAM** and **Ditec ALU** profile series and any **commercial frames**
- **QR Code** for downloading manuals simply and quickly

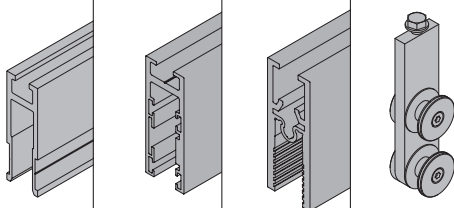
GLASS WING

AC1356

AC4255

AC4870

ACV

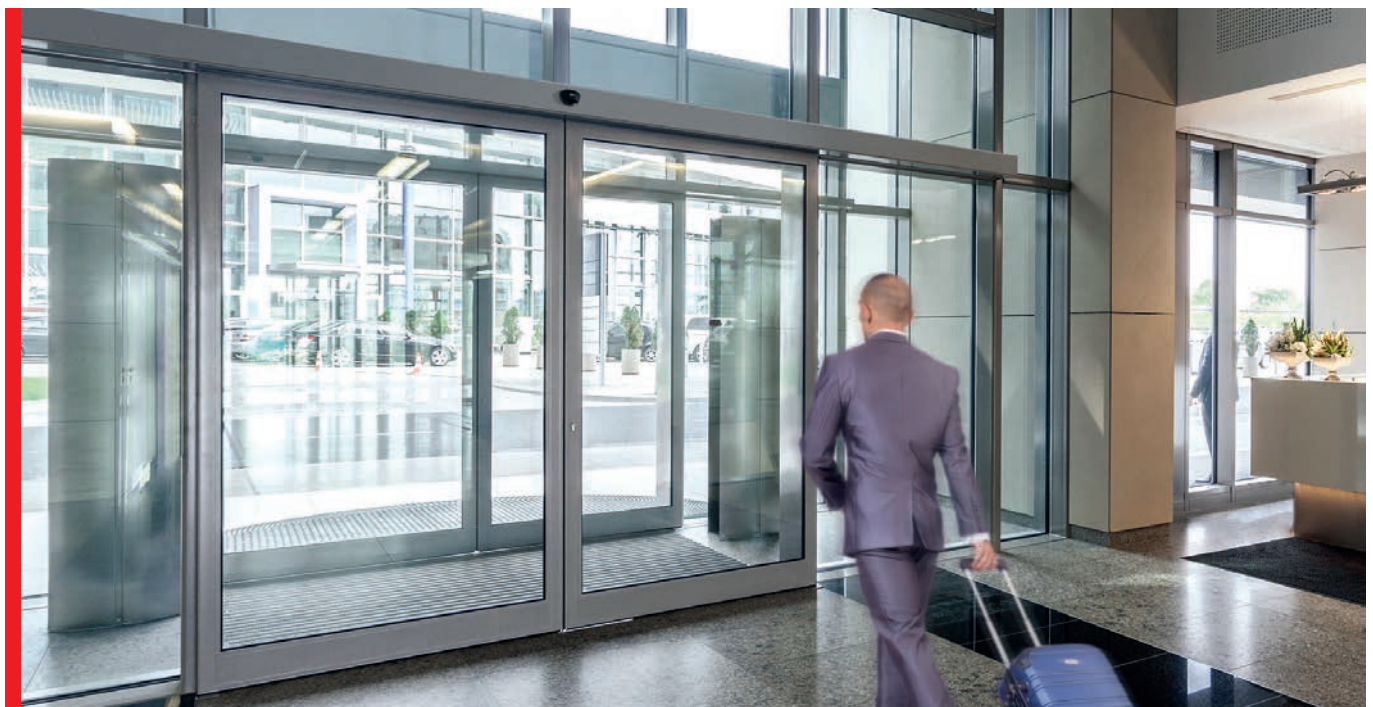
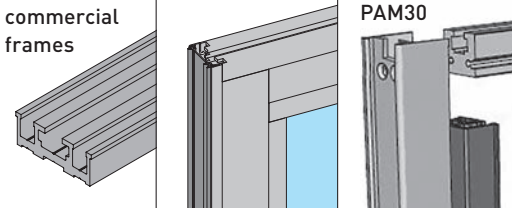


FRAMED WING

2995 for commercial frames

ALU48

PAM16 and PAM30



Ditec DAS107PLUS

Automation for sliding doors

Maximum capacities

1 wing	2 wings
120 Kg	160 Kg

KIT

Basic automation

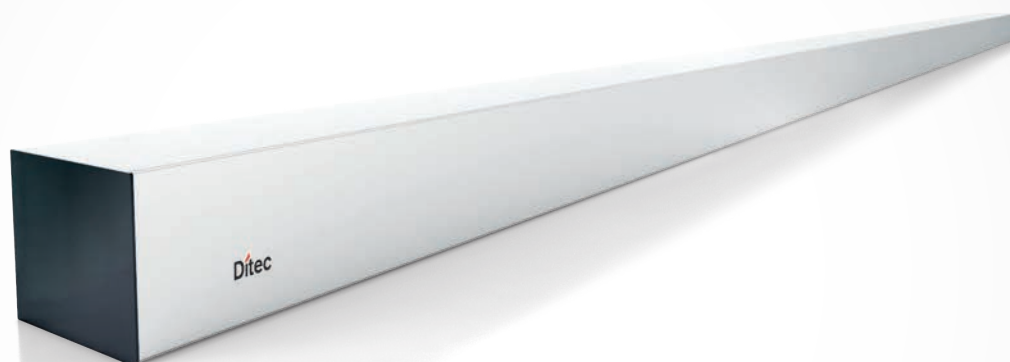
Article Code	Article Description
PMDAS107K1PN	Fixed component kit for 1 DAS107PLUS wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: <ul style="list-style-type: none">- Power supply- Gear motor- Control unit- N° 2 trolleys- Pulley- Mechanical stops, end caps, brackets for cover
PMDAS801GCL	Trolleys for 2nd wing
PMDAS802B50	Transmission belt 50 m
PMDAS107B44NP	Casing L = 4450 EURAS C0
PMDAS107B66NP	Casing L = 6650 EURAS C0

Front cover

Article Code	Article Description
PMDAS107C44NP	Cover L = 4450 EURAS C0
PMDAS107C44GP	Cover L = 4450 mill finish
PMDAS107C66NP	Cover L = 6650 EURAS C0
PMDAS107C66GP	Cover L = 6650 mill finish

Specific accessories

Article Code	Article Description
PMDAS801LOK	Lock device complete with brackets and hand release
PMDAS801LOKA	Safety lock device complete with brackets
PMDAS901BAT1	Emergency battery (12 Vdc)
PMDAS902BAT2	Back-up battery (24 Vdc)
PMDAS900PH1A	Pair of photocells
PMDAS11M8	N° 4 fixing plates (n° 2 wings) for AC1356, PAM16 and PAM30
PMDAS18M8	N° 4 fixing plates (n° 2 wings) for AC4255 and AC4870
PMDAS40M8	N° 4 fixing plates (n° 2 wings) for ALU48



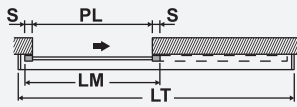
Ditec DAS107PLUS

Automation for sliding doors

Maximum capacities	
1 wing	2 wings
120 Kg	160 Kg

ASSEMBLED

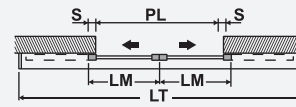
1 Wing



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PMDAS107K1PN20	915	1015	2000	
PMDAS107K1PN26	1215	1315	2600	
PMDAS107K1PN30	1415	1515	3000	
PMDAS107K1PN36	1715	1815	3600	
PMDAS107K1PN40	1915	2015	4000	
PMDAS107K1PN44	2115	2215	4400	
PMDAS107K1PN56	2715	2815	5600	

Basic automation price including:
fixed component kit for 1 wing, belt, door attachment bracket 2995

2 Wings



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PMDAS107K2PN23	1090	2 x 520	2300	
PMDAS107K2PN26	1240	2 x 570	2600	
PMDAS107K2PN30	1440	2 x 670	3000	
PMDAS107K2PN36	1740	2 x 770	3600	
PMDAS107K2PN40	1940	2 x 845	4000	
PMDAS107K2PN44	2140	2 x 920	4400	
PMDAS107K2PN56	2740	2 x 1020	5600	

Basic automation price including:
fixed component kit for 1 wing, trolleys for 2nd wing, belt, door attachment bracket 2995

Specific accessories

Article Code	Article Description
PMSPDAS801LOK	Lock device complete with brackets and hand release, assembled
PMSPDAS801LOKA	Safety lock device complete with brackets, assembled
PMSPDAS901BAT1	Emergency battery (12 Vdc), assembled
PMSPDAS902BAT2	Back-up battery (24 Vdc), assembled
PMDAS900PH1A	Pair of photocells
PMDAS11M8	N° 4 fixing plates (n° 2 wings) for AC1356, PAM16 and PAM30
PMDAS18M8	N° 4 fixing plates (n° 2 wings) for AC4255 and AC4870
PMDAS40M8	N° 4 fixing plates (n° 2 wings) for ALU48

Front cover

Standard casing length		MILL FINISH		Standard casing length		EURAS C0	
mm	Codice fino a			mm	Codice fino a		
2000	PMCRDAS107G20			2000	PMCRDAS107N20		
2300	PMCRDAS107G23			2300	PMCRDAS107N23		
2600	PMCRDAS107G26			2600	PMCRDAS107N26		
3000	PMCRDAS107G30			3000	PMCRDAS107N30		
3600	PMCRDAS107G36			3600	PMCRDAS107N36		
4000	PMCRDAS107G40			4000	PMCRDAS107N40		
4400	PMCRDAS107G44			4400	PMCRDAS107N44		
5600	PMCRDAS107G56			5600	PMCRDAS107N56		

Function-selectors

Article Code	Article Description
Mechanical	
PMCOM501MKS	Mechanical function-selector with key operation
PMCOM501MHS	Mechanical function-selector with handle operation
Digital	
PMCOM500ES	Digital electronic function-selector



DAS801LOK - DAS801LOKA



DAS107K1PN



DAS901BAT1



DAS902BAT2



COM501MKS



COM501MHS



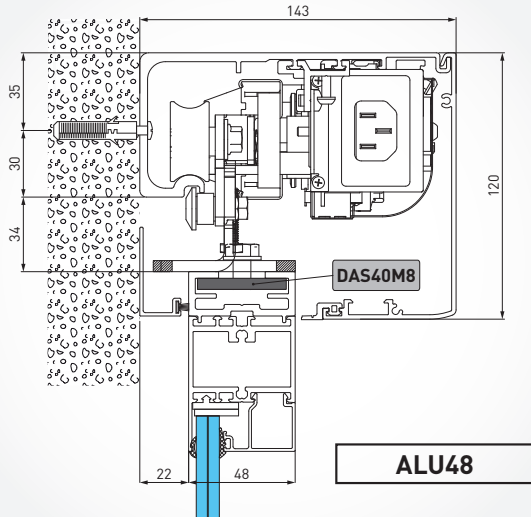
COM500ES



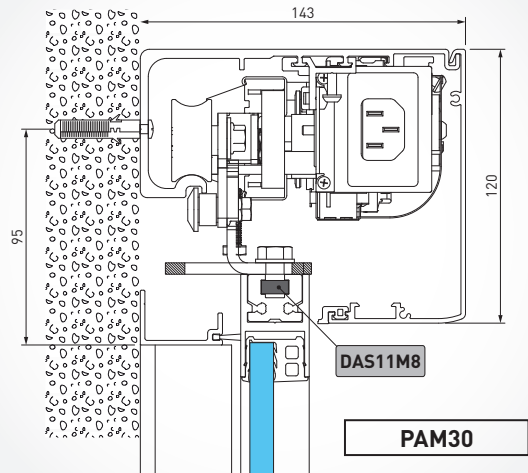
DAS801GCL

FIXING PLATES SELECTION TABLE - DAS107PLUS

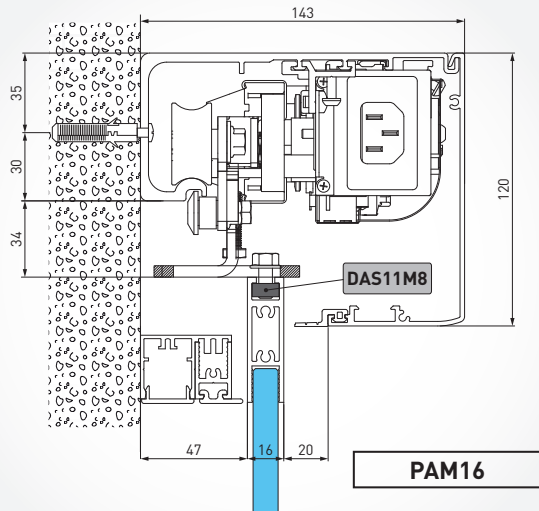
Series profiles ALU48 - DAS40M8



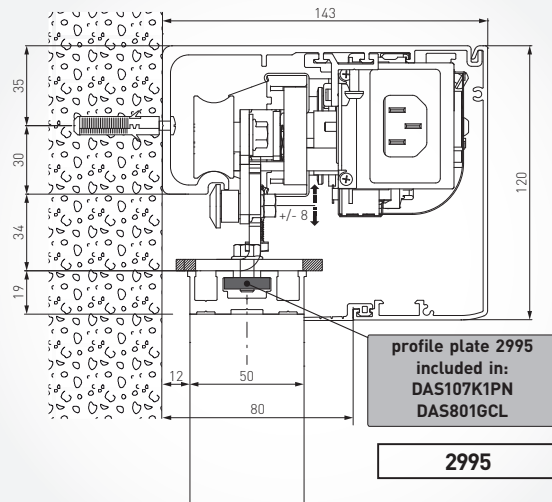
Series profiles PAM 30 - DAS11M8



Series profiles PAM 16 - DAS11M8

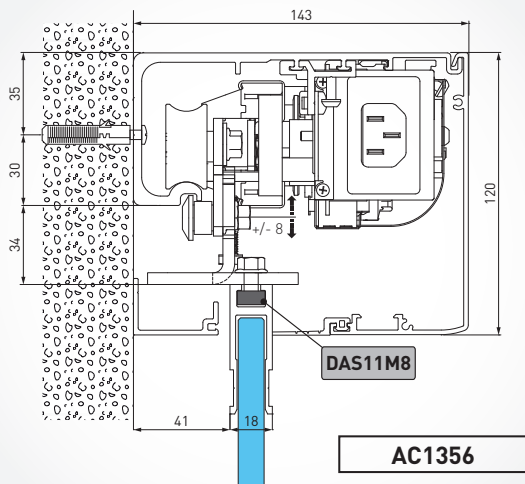


Generic frame - 2995



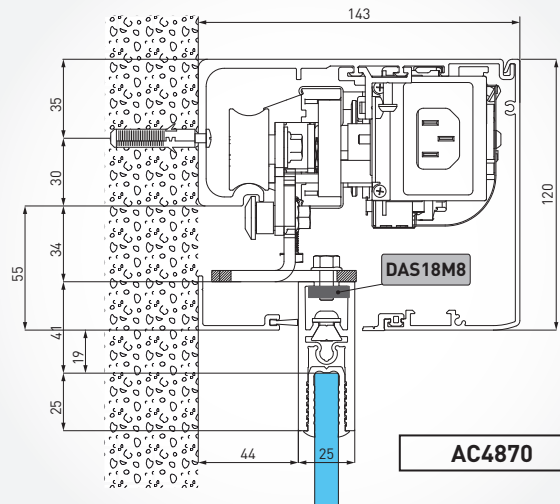
FIXING PLATES SELECTION TABLE - DAS107PLUS

Series profiles AC1356 - DAS11M8



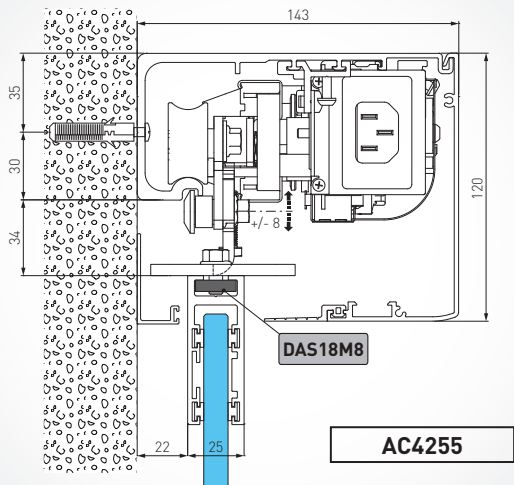
AC1356

Series profiles AC4870 - DAS18M8



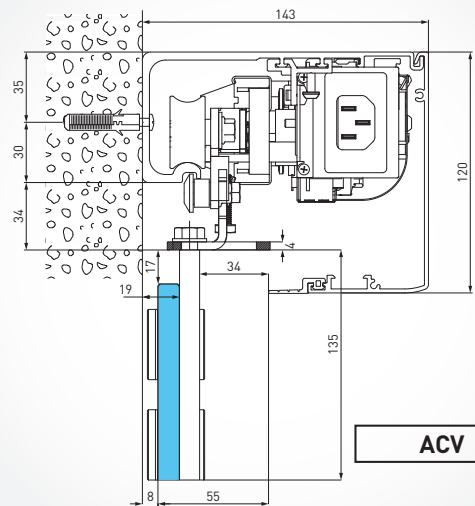
AC4870

Series profiles AC4255 - DAS18M8



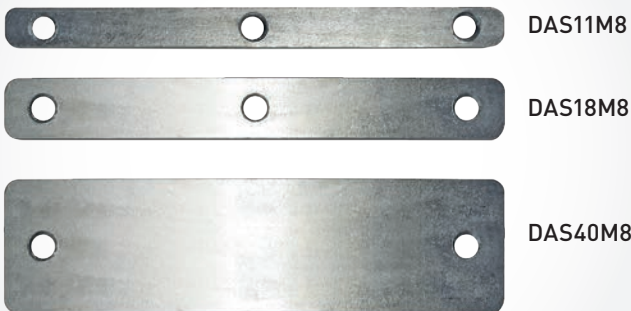
AC4255

Series profiles ACV



ACV

Fixing plates



DAS11M8

DAS18M8

DAS40M8

Ditec DAS200 - DAS200HD DAS200T



The Ditec DAS automation system has been conceived and designed **around the needs of the customer**. **Innovative technical** solutions come together with **superior quality components** in a process of continuous improvement. A complete and highly modular range of products to ensure **impeccably smooth, quiet and reliable operation** in every application.

The different versions for specific applications are:

- **DAS200**: maximum capacity of 200 kg
- **DAS200HD**: maximum capacity of 280 kg
- **DAS200T**: maximum capacity of 320 kg, with a telescopic opening system

INTELLIGENT



INNOVATIVE
DESIGN



EASY TO
INSTALL



SMART THINGS



Technical specifications

	DAS200	DAS200HD	DAS200T
Description	automation for sliding doors	automation for sliding doors	automation for telescopic sliding doors
Max. wing weight	120 kg (1 wing) 200 kg (2 wings)	150 kg (1 wing) 280 kg (2 wings)	240 kg (1+1 wing) 320 kg (2+2 wings)
Clear passage	715 - 3215 mm (1 wing) 790 - 3240 mm (2 wings)	715 - 3215 mm (1 wing) 840 - 3240 mm (2 wings)	1103 - 4320 mm (1+1 wing) 1600 - 4320 mm (2+2 wings)
Product dimensions mm (HxWxL)	120 x 185 x L	120 x 185 x L	120 x 265 x L
Max. opening and closing speed (2 wings)	1.6 m/s	1.6 m/s	1.6 m/s
Power supply	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz
Power supply rated power	75 W	150 W	150 W
Accessories power supply	24 Vdc/0.64 A	24 Vdc/1 A	24 Vdc/1 A
Protection rating	IP20	IP20	IP20
Approvals	TÜV	TÜV	TÜV
Control panel	1DAS20QE	1DAS20HDQE	1DAS20HDQE

Main functions

	DAS200 1DAS20QE	DAS200HD - DAS200T 1DAS20HDQE
Control panel	1DAS20QE	1DAS20HDQE
Power supply	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz
Batteries	12 Vdc o 24 Vdc (opzional)	12 Vdc o 24 Vdc (opzional)
Hold force adjustment	■	■
Obstacle detection (stop while opening or reverse while closing)	■	■
Automatic passage opening width selection (depending on the flow of people)	■	■
Hold open time	0 - 60 s	0 - 60 s
Presence hold open time	0 - 60 s	0 - 60 s
Interlock function	■ (optional with DAS902MP)	■ (optional with DAS902MP)
Opening safety function (speed limiting)	■	■
Battery energy saving function in case of power failure	■	■
Emergency reverse with presence sensor	■ (compliant with EN 16005)	■ (compliant with EN 16005)
Safety test and safety monitoring function	■ (compliant with EN 16005)	■ (compliant with EN 16005)
Independent opening / closing commands	■ (optional with DAS902MP)	■ (optional with DAS902MP)
"Nurse" function	■ (optional with DAS902MP)	■ (optional with DAS902MP)
"Fire alarm" function	■ (optional with DAS902MP)	■ (optional with DAS902MP)
Emergency opening function	■ (optional with DAS902MP)	■ (optional with DAS902MP)



INTELLIGENT

The Ditec DAS operator is conceived to cater for all possible applications with **precision** and in **complete safety**

- **Smart** start-up mode with **self-acquisition** function, including automatic detection and recognition of:
 - Passage opening
 - Door weight
 - Presence and type of lock devices (standard and anti-panic)
 - Emergency and backup batteries
- Superior **energy efficiency** with a **switching power supply unit** offering a wide range of operating voltages
- **Digital programming** with over 90 parameters including **speed, timer, position** and **emergency function** parameters



INNOVATIVE DESIGN

Ditec DAS is designed with the ambitious goal to be an **extremely elegant door system** but at the same time **modular** and **practical**

- The **arrow design** on the front creates a **distinctive identity** that is easily recognizable and gives the product a **slim (120 mm height of cover)** and elegant look
- The horizontally breakline creates a **bold and strong brand image**

The Ditec design is intended to **make customers' lives easier** and to **optimise stock** management and logistics

- Just **one casing** for all the operators of the DAS200 family
- A **practical rear beam**, which matches with the main casing, for a fast and safe **telescopic** door installation, reducing the complexity of the old stock
- The **same carriage unit** and **door holder** for all applications (Ditec framed and glass panel doors, commercial doors)
- Steel lateral heads for a **secure mechanical connection** to the casing and an **elegant look**



EASY TO INSTALL

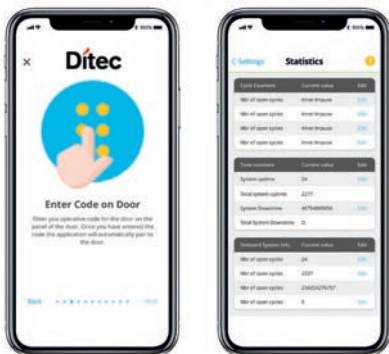
A professional and extremely simple and quick to fit automation system which **significantly saves installation time**

- **FAST & SAFE** system to fix main components to beam
- **Simple** and **easily accessible** mechanical adjustment of components such as the carriage, door holder, locking device and drive belt
- Dedicated **PLUG & PLAY** connectors for all main components, such as the power supply unit, electrical board and motor
- Dedicated **PLUG & PLAY** connectors for accessories such as batteries and sensors (both opening and safety sensors and safety sensors only)
- **EASY ACCESS** for installing and service action due to a **rotating mechanism** that allows the cover to be opened simply and quickly



SMART THINGS

Ditec offers two different **App** based solutions - one of the **end user** and one for the **installer** - for a smart management and control of DAS automatic doors.



DITEC DOOR CONNECT



Free App available on Play Store and App Store.

For use with latest generation Bluetooth® wireless technology-equipped COM501 and COM502 function-selectors, offering the end user access to the following features:

- 5 functions, including **RESET**
- Download and send **events and statistics log**
- Download and send **error log**
- Add and manage **App users** (up to 7)
- Manage setting of **partial opening** and **timer-controlled automatic closing parameters**
- **People count and flow control management**

SLIDER CONFIGURATION TOOL



An **advanced software** (DAS900CT) for installers, allowing the **complete configuration** and management of DAS200 doors from a tablet or handheld device (requires DAS900CTI interface). This software offers the **installer** the following features:



- Usage of 5 controller functions, including **RESET**
- **Configure all parameters** of the control panel
- Download and upload **preset parameter configurations**
- Manage **events and errors log**
- Manage complete **statistics log**
- Manage and schedule **maintenance**



KIT

Basic automation

Article Code	Article Description
PMDAS200K1	Fixed component kit for 1 DAS200 wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - 1 power supply - 1 gear motor - 1 control unit - N° 2 trolleys + door holders + 2995 fixing plates for commercial frames - 1 pulley - mechanical stops, end caps, brackets for cover
PMDAS820GCL	Trolleys for 2 nd wing + door holders + 2995 fixing plates for commercial frames
PMDAS820CLS	Additional trolley for door wing > 1600 mm
PMDAS200B44G	Casing L = 4450 mill finish
PMDAS200B66G	Casing L = 6650 mill finish
PMDAS200B44N	Casing L = 4450 EURAS C0
PMDAS200B66N	Casing L = 6650 EURAS C0
PMV3464N44	Sliding guide L = 4450 EURAS C0
PMV3464N66	Sliding guide L = 6650 EURAS C0
PMRGR3465160	Guide vibration proof gasket (160 m roll)
PMDAS802B50	Transmission belt 50 m

Front cover

Article Code	Article Description
PMDAS200C44G	Cover L = 4450 mill finish
PMDAS200C66G	Cover L = 6650 mill finish
PMDAS200C44N	Cover L = 4450 EURAS C0
PMDAS200C66N	Cover L = 6650 EURAS C0
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Note: To check the position of the components and the specific accessories, please refer to the "WIZARD DAS" program

Packaging

Article Code	Article Description
PM25782A	Packaging for DAS200 assembled operator (standard)
PM25783A	Head caps for packaging of DAS200 assembled operator (standard)

Ditec DAS200

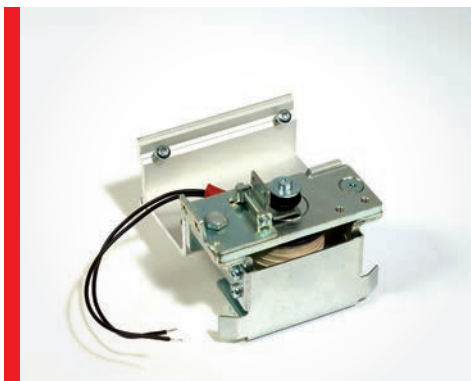
Automation for commercial sliding doors

Max capacities	1 wing	2 wings
Max very heavy duty	120 Kg	200 Kg

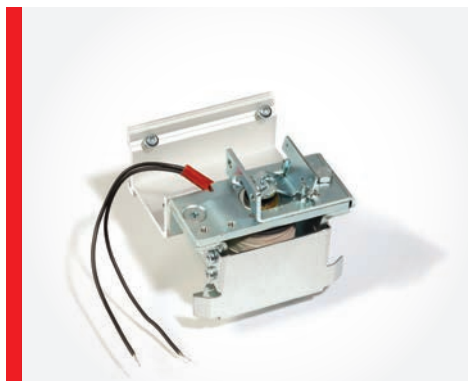
KIT

Specific accessories

Article Code	Article Description
PMDAS802LOK	Wing stop device complete with brackets, without release handle
PMDAS802LOKA	Anti-panic system complete with brackets, without release handle
PMDAS802LOKB	Two position block system complete with brackets, without release handle (in combination with DAS902MP)
PMLOKSBM	Manual release handle, wall mounted
PMDASLOKSB	Manual release handle integrated in the casing
PMDAS901BAT1	Emergency battery (12 Vdc)
PMDAS902BAT2	Back-up battery (24 Vdc)
PMDAS902MP	Plus Module PCB (required for DAS802LOKB)
PMDAS800CMP	Plus Module PCB cable extension
PMDAS800CPS	Power supply cable extension L = 2400 mm
PMDAS900PH1A	Pair of photocells
PMDAS11M8	N° 4 fixing plates (n° 2 wings) for AC1356, PAM16 and PAM30
PMDAS18M8	N° 4 fixing plates (n° 2 wings) for AC4255 and AC4870
PMDAS40M8	N° 4 fixing plates (n° 2 wings) for ALU48
PMDAS35M8	N° 4 fixing plates (n° 2 wings) for PAMH60
PMDAS802RJ45	RJ45 connector for DAS900CTI
PMDAS802RJA	RJ45 adapter for electronic selectors
PMDAS900FM	Magnetic limit switch indicator micro kit



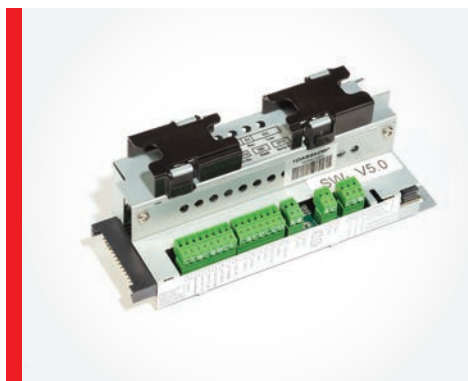
DAS802LOK



DAS802LOKA



DAS802LOKB



DAS902MP

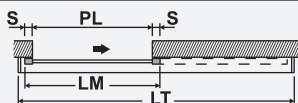
Ditec DAS200

Automation for commercial sliding doors

Max capacities	1 wing	2 wings
Max very heavy duty	120 Kg	200 Kg

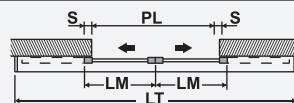
ASSEMBLED

1 Wing



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PMDAS200A1L20	915	1015	2000	
PMDAS200A1L22	1015	1115	2200	
PMDAS200A1L26	1215	1315	2600	
PMDAS200A1L30	1415	1515	3000	
PMDAS200A1L33	1565	1665	3300	
PMDAS200A1L36	1715	1815	3600	
PMDAS200A1L40	1915	2015	4000	
PMDAS200A1L44	2115	2215	4400	
PMDAS200A1L66	3215	3315	6600	

2 Wings



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PMDAS200A2L20	940	2 x 520	2000	
PMDAS200A2L22	1040	2 x 570	2200	
PMDAS200A2L26	1240	2 x 670	2600	
PMDAS200A2L30	1440	2 x 770	3000	
PMDAS200A2L33	1590	2 x 845	3300	
PMDAS200A2L36	1740	2 x 920	3600	
PMDAS200A2L40	1940	2 x 1020	4000	
PMDAS200A2L44	2140	2 x 1120	4400	
PMDAS200A2L66	3240	2 x 1670	6600	

Note: To check the position of the components or when Ditec or generic frames are used with S overlap different from the one shown, or with other additional specific accessories, please refer to the "WIZARD DAS" program

Note: Finally, the fixing plates must be added (please see pages 27-28)

Specific accessories

Article Code	Article Description
PMSPDAS802LOK	Wing stop device complete with brackets, without release handle, assembled
PMSPDAS802LOKA	Anti-panic system complete with brackets, without release handle, assembled
PMSPDAS802LOKB	Two position block system complete with brackets, without release handle, assembled (in combination with DAS902MP)
PMSPDASLOKSB	Manual release handle integrated in the casing, assembled
PMSPDAS901BAT1	Emergency battery (12 Vdc), assembled
PMSPDAS902BAT2	Back-up battery (24 Vdc), assembled
PMSPDAS902MP	Plus Module PCB (required for DAS802LOKB), assembled
PMSPDAS800CMP	Plus Module PCB cable extension, assembled
PMSPDAS800CPS	Power supply cable extension L = 2400 mm, assembled
PMSPDAS800KPI	PAS005AP detection safety sensor built in the cover, assembled
PMSPDAS802RJ45	RJ45 connector for DAS900CTI, assembled
PMSPDAS900FM	Magnetic limit switch indicator micro kit, assembled

Front cover

Standard casing length		MILL FINISH		Standard casing length		EURAS C0	
mm	Code Up to			mm	Code Up to		
2000	PMCRDASG20			2000	PMCRDASN20		
2200	PMCRDASG22			2200	PMCRDASN22		
2600	PMCRDASG26			2600	PMCRDASN26		
3000	PMCRDASG30			3000	PMCRDASN30		
3300	PMCRDASG33			3300	PMCRDASN33		
3600	PMCRDASG36			3600	PMCRDASN36		
4000	PMCRDASG40			4000	PMCRDASN40		
4400	PMCRDASG44			4400	PMCRDASN44		
6600	PMCRDASG66			6600	PMCRDASN66		

Ditec DAS200

Automation for commercial sliding doors

Function-selectors

Article Code	Article Description
--------------	---------------------

Mechanical

- | | |
|-------------|--|
| PMCOM501MKS | Mechanical function-selector with key operation |
| PMCOM501MHS | Mechanical function-selector with handle operation |

Digital

- | | |
|------------|--|
| PMCOM500ES | Digital electronic function-selector |
| PMCOM500ER | Digital electronic function-selector with security key - without box
(in combination with DAS902MP) |

Electronic

- | | |
|------------|--|
| PMCOM501ES | Electronic capacitive touch function-selector with Bluetooth® module and RJ45 connector for interface Configuration Tool DAS900CTI |
| PMCOM502ES | Electronic capacitive touch function-selector with Bluetooth® module |
| PMCOM502ER | Electronic function-selector with capacitive touch push buttons, protection key (Euro cylinder) and Bluetooth® module |

Accessories

Article Code	Article Description
--------------	---------------------

- | | |
|---------|---|
| PMCOMAR | Double external square box for COM500ER |
|---------|---|

Configuration accessories - Configuration Tool

Article Code	Article Description
--------------	---------------------

- | | |
|-------------|--|
| PMDAS900CT | Configuration Tool, Configuration App for tablet (only for Android devices) |
| PMDAS900CTI | Bluetooth® interface for direct connection between the Control Panel and the Slider Configuration Tool |



COM501MKS - COM501MHS



COM501ES



COM502ES



COM502ER



KIT

Basic automation

Article Code	Article Description
PMDAS200HDK1	Fixed component kit for 1 DAS200HD wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - 1 power supply - 1 gear motor - 1 control unit - N° 2 trolleys + door holders + 2995 fixing plates for commercial frames - 1 pulley - mechanical stops, end caps, brackets for cover
PMDAS820GCL	Trolleys for 2 nd wing + door holders + 2995 fixing plates for commercial frames
PMDAS820CLS	Additional trolley for door wing > 1600 mm
PMDAS200B44G	Casing L = 4450 mill finish
PMDAS200B66G	Casing L = 6650 mill finish
PMDAS200B44N	Casing L = 4450 EURAS C0
PMDAS200B66N	Casing L = 6650 EURAS C0
PMV3464N44	Sliding guide L = 4450 EURAS C0
PMV3464N66	Sliding guide L = 6650 EURAS C0
PMRGR3465160	Guide vibration proof gasket (160 m roll)
PMDAS802B50	Transmission belt 50 m

Front cover

Article Code	Article Description
PMDAS200C44G	Cover L = 4450 mill finish
PMDAS200C66G	Cover L = 6650 mill finish
PMDAS200C44N	Cover L = 4450 EURAS C0
PMDAS200C66N	Cover L = 6650 EURAS C0
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Note: To check the position of the components and the specific accessories, please refer to the "WIZARD DAS" program

Packaging

Article Code	Article Description
PM25782A	Packaging for DAS200 assembled operator (standard)
PM25783A	Head caps for packaging of DAS200 assembled operator (standard)

Ditec DAS200HD

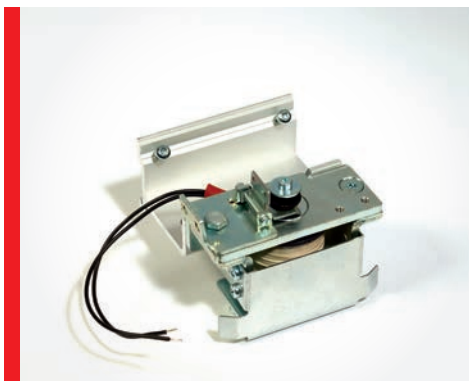
Automation for commercial sliding doors

Max capacities	1 wing	2 wings
Max very heavy duty	150 Kg	280 Kg

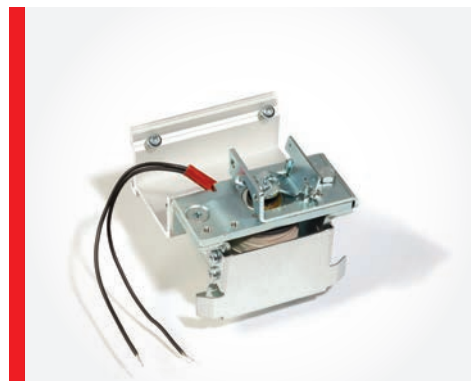
KIT

Specific accessories

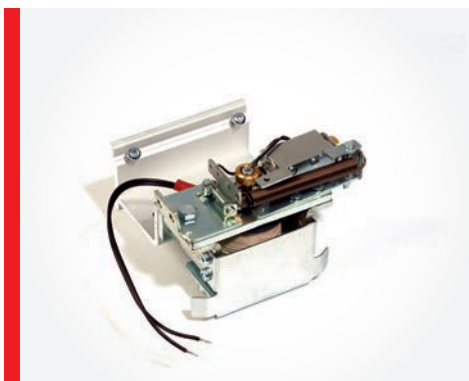
Article Code	Article Description
PMDAS802LOK	Wing stop device complete with brackets, without release handle
PMDAS802LOKA	Anti-panic system complete with brackets, without release handle
PMDAS802LOKB	Two position block system complete with brackets, without release handle (in combination with DAS902MP)
PMLOKSBM	Manual release handle, wall mounted
PMDASLOKSB	Manual release handle integrated in the casing
PMDAS901BAT1	Emergency battery (12 Vdc)
PMDAS902BAT2	Back-up battery (24 Vdc)
PMDAS902MP	Plus Module PCB (required for DAS802LOKB)
PMDAS800CMP	Plus Module PCB cable extension
PMDAS800CPS	Power supply cable extension L = 2400 mm
PMDAS900PH1A	Pair of photocells
PMDAS11M8	N° 4 fixing plates (n° 2 wings) for AC1356, PAM16 and PAM30
PMDAS18M8	N° 4 fixing plates (n° 2 wings) for AC4255 and AC4870
PMDAS40M8	N° 4 fixing plates (n° 2 wings) for ALU48
PMDAS35M8	N° 4 fixing plates (n° 2 wings) for PAMH60
PMDAS802RJ45	RJ45 connector for DAS900CTI
PMDAS802RJA	RJ45 adapter for electronic selectors
PMDAS900FM	Magnetic limit switch indicator micro kit



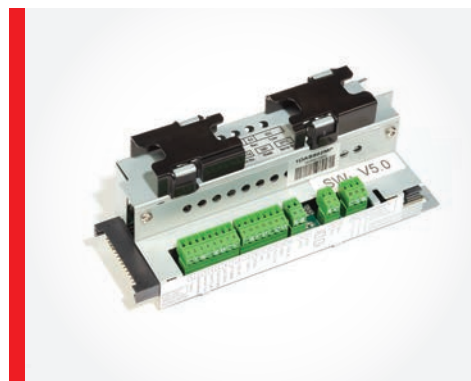
DAS802LOK



DAS802LOKA



DAS802LOKB



DAS902MP

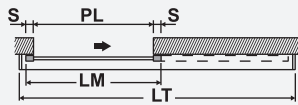
Ditec DAS200HD

Automation for commercial sliding doors

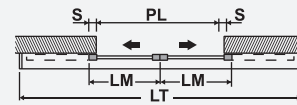
Max capacities	1 wing	2 wings
Max very heavy duty	150 Kg	280 Kg

ASSEMBLED

1 Wing



2 Wings



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing	Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length			PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PM DAS200HDA1L20	915	1015	2000		PM DAS200HDA2L20	940	2 x 520	2000	
PM DAS200HDA1L22	1015	1115	2200		PM DAS200HDA2L22	1040	2 x 570	2200	
PM DAS200HDA1L26	1215	1315	2600		PM DAS200HDA2L26	1240	2 x 670	2600	
PM DAS200HDA1L30	1415	1515	3000		PM DAS200HDA2L30	1440	2 x 770	3000	
PM DAS200HDA1L33	1565	1665	3300		PM DAS200HDA2L33	1590	2 x 845	3300	
PM DAS200HDA1L36	1715	1815	3600		PM DAS200HDA2L36	1740	2 x 920	3600	
PM DAS200HDA1L40	1915	2015	4000		PM DAS200HDA2L40	1940	2 x 1020	4000	
PM DAS200HDA1L44	2115	2215	4400		PM DAS200HDA2L44	2140	2 x 1120	4400	
PM DAS200HDA1L66	3215	3315	6600		PM DAS200HDA2L66	3240	2 x 1670	6600	

Note: To check the position of the components or when Ditec or generic frames are used with S overlap different from the one shown, or with other additional specific accessories, please refer to the "WIZARD DAS" program

Note: Finally, the fixing plates must be added (please see pages 27-28)

Specific accessories

Article Code	Article Description
PM SPDAS802LOK	Wing stop device complete with brackets, without release handle, assembled
PM SPDAS802LOKA	Anti-panic system complete with brackets, without release handle, assembled
PM SPDAS802LOKB	Two position block system complete with brackets, without release handle, assembled (in combination with DAS902MP)
PM SPDASLOKSB	Manual release handle integrated in the casing, assembled
PM SPDAS901BAT1	Emergency battery (12 Vdc), assembled
PM SPDAS902BAT2	Back-up battery (24 Vdc), assembled
PM SPDAS902MP	Plus Module PCB (required for DAS802LOKB), assembled
PM SPDAS800CMP	Plus Module PCB cable extension, assembled
PM SPDAS800CPS	Power supply cable extension L = 2400 mm, assembled
PM SPDAS800KPI	PAS005AP detection safety sensor built in the cover, assembled
PM SPDAS802RJ45	RJ45 connector for DAS900CTI , assembled
PM SPDAS900FM	Magnetic limit switch indicator micro kit, assembled

Ditec DAS200HD

Automation for commercial sliding doors

Max capacities	1 wing	2 wings
Max very heavy duty	150 Kg	280 Kg

ASSEMBLED

Transformation into version for emergency exits

Article Code	Article Description
PMSPDAS200RG	Surcharge to update to redundant version (including battery DAS902BAT2)

Front cover

Standard casing length		MILL FINISH		Standard casing length		EURAS C0	
mm	Code Up to			mm	Code Up to		
2000	PMCRDASG20			2000	PMCRDASN20		
2200	PMCRDASG22			2200	PMCRDASN22		
2600	PMCRDASG26			2600	PMCRDASN26		
3000	PMCRDASG30			3000	PMCRDASN30		
3300	PMCRDASG33			3300	PMCRDASN33		
3600	PMCRDASG36			3600	PMCRDASN36		
4000	PMCRDASG40			4000	PMCRDASN40		
4400	PMCRDASG44			4400	PMCRDASN44		
6600	PMCRDASG66			6600	PMCRDASN66		



Ditec DAS200HD

Automation for commercial sliding doors

Function-selectors

Article Code Article Description

Mechanical

- PM**COM501MKS** Mechanical function-selector with key operation
- PM**COM501MHS** Mechanical function-selector with handle operation

Digital

- PM**COM500ES** Digital electronic function-selector
- PM**COM500ER** Digital electronic function-selector with security key - without box
(in combination with **DAS902MP**)

Electronic

- PM**COM501ES** Electronic capacitive touch function-selector with Bluetooth® module and RJ45 connector for interface Configuration Tool DAS900CTI
- PM**COM502ES** Electronic capacitive touch function-selector with Bluetooth® module
- PM**COM502ER** Electronic function-selector with capacitive touch push buttons, protection key (Euro cylinder) and Bluetooth® module

Accessories

Article Code Article Description

- PM**COMAR** Double external square box for COM500ER

Configuration accessories - Configuration Tool

Article Code Article Description

- PM**DAS900CT** Configuration Tool, Configuration App for tablet (only for Android devices)
- PM**DAS900CTI** Bluetooth® interface for direct connection between the Control Panel and the Slider Configuration Tool



COM501MKS - COM501MHS



COM501ES



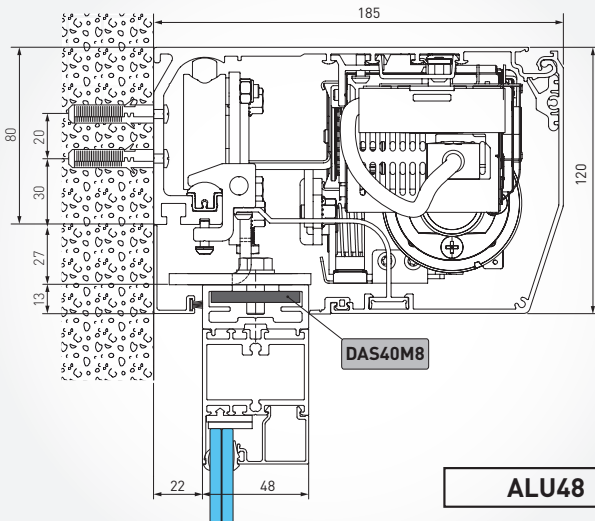
COM502ES



COM502ER

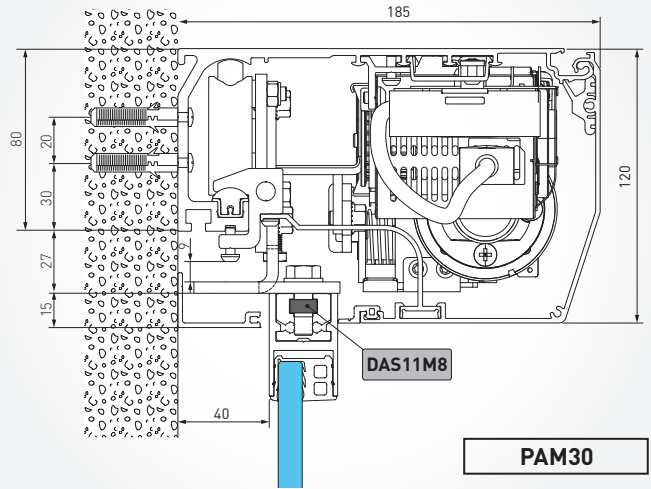
FIXING PLATES SELECTION TABLE - DAS200 and DAS200HD

Series profiles ALU48 - DAS40M8



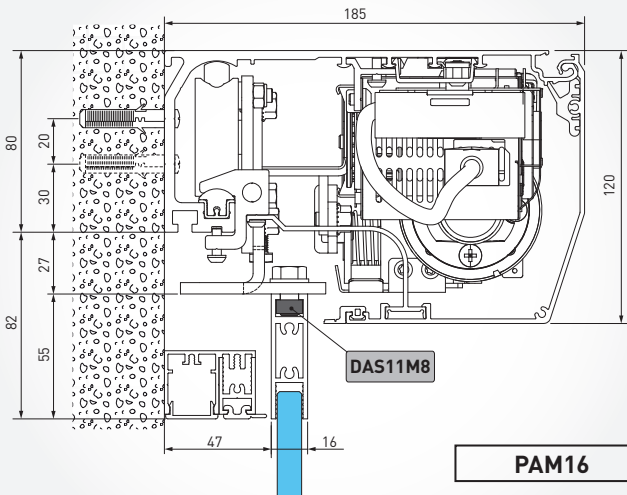
ALU48

Series profiles PAM 30 - DAS11M8



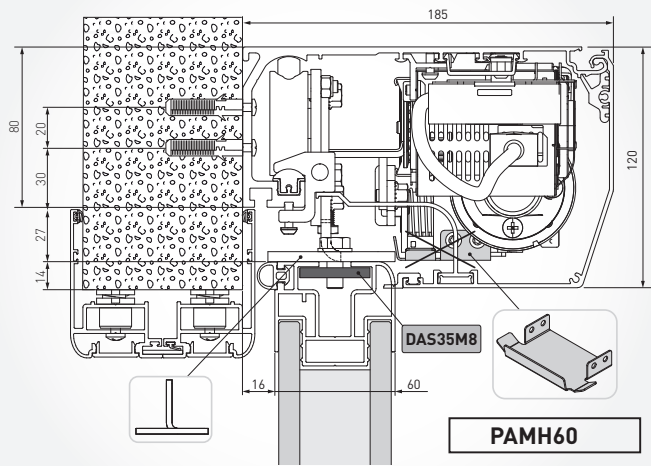
PAM30

Series profiles PAM 16 - DAS11M8



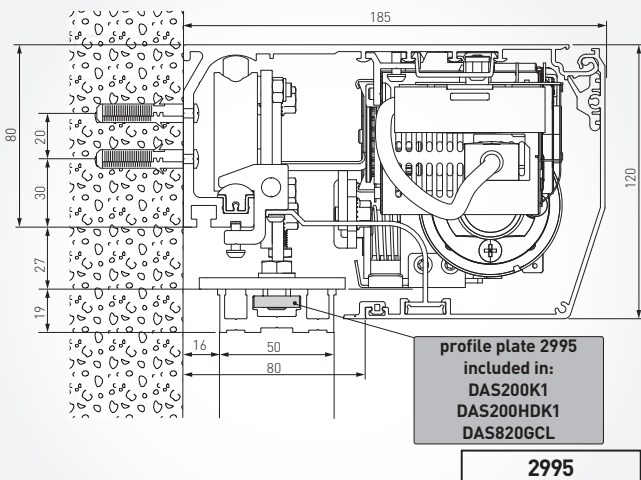
PAM16

Series profiles PAMH60 - DAS35M8



PAMH60

Generic frame - 2995

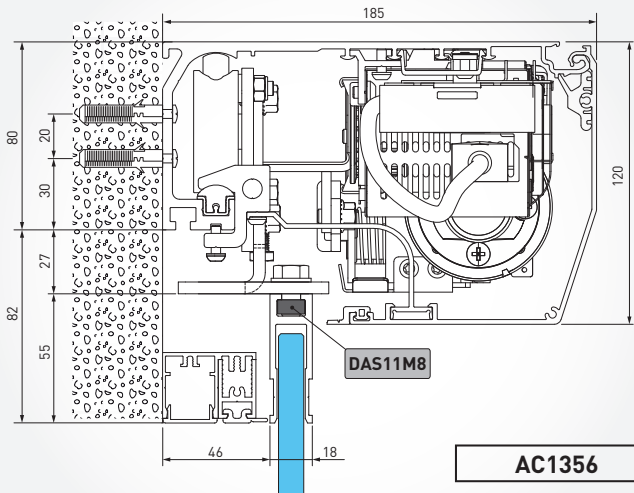


profile plate 2995
included in:
DAS200K1
DAS200HDK1
DAS820GCL

2995

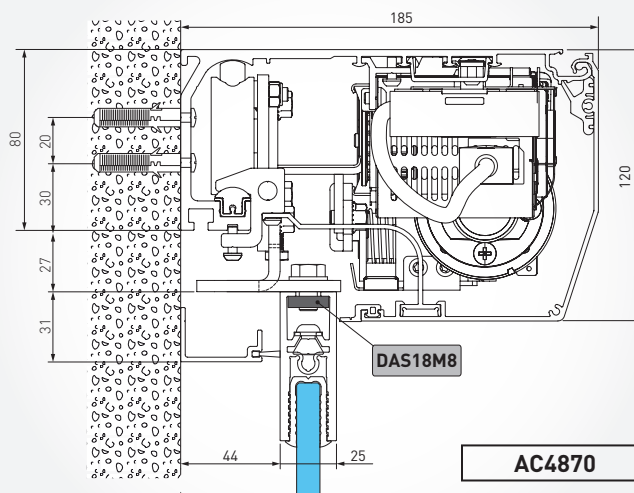
FIXING PLATES SELECTION TABLE - DAS200 and DAS200HD

Series profiles AC1356 - DAS11M8



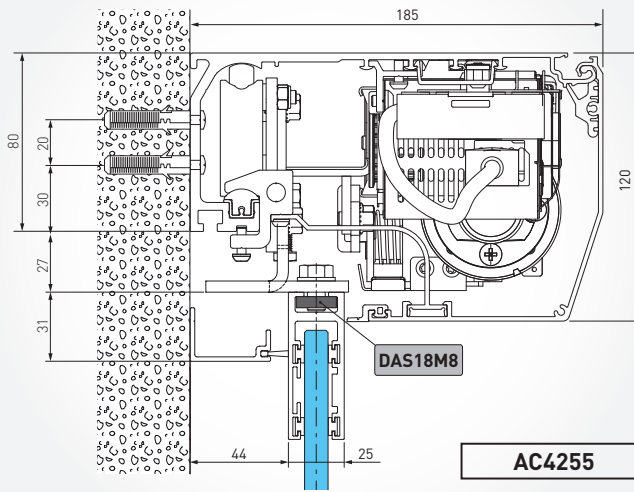
AC1356

Series profiles AC4870 - DAS18M8



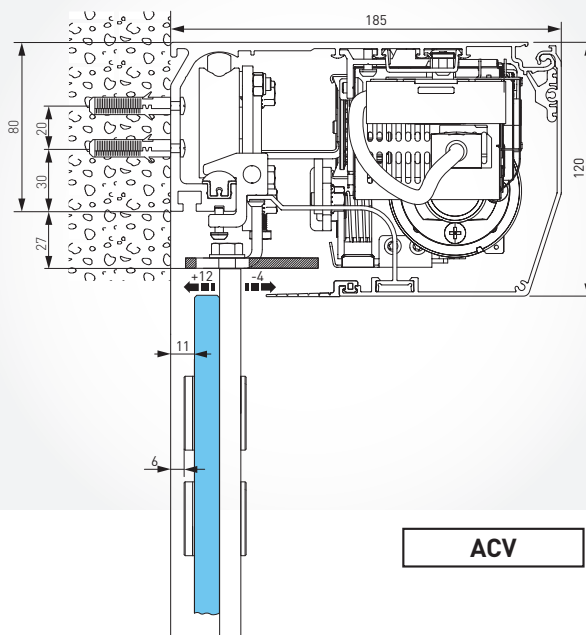
AC4870

Series profiles AC4255 - DAS18M8



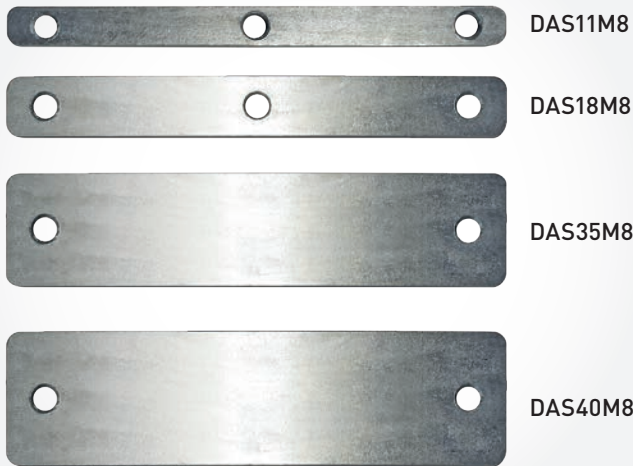
AC4255

Series profiles ACV



ACV

Fixing plates





KIT

Basic automation

Article Code	Article Description
PMDAS200HDK1	Fixed component kit for 1 DAS200HD wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - 1 power supply - 1 gear motor - 1 control unit - N° 2 trolleys + door holders + 2995 fixing plates for commercial frames - 1 pulley - mechanical stops, end caps, brackets for cover
PMDAS200TKA	Additional fixed component kit for 1+1 wing DAS200T
PMDAS820TGCL	3 rd -4 th wing trolleys
PMDAS820CLS	Additional trolley for door wing > 1600 mm
PMDAS200B44G	Casing L = 4450 mill finish
PMDAS200B66G	Casing L = 6650 mill finish
PMDAS200B44N	Casing L = 4450 EURAS C0
PMDAS200B66N	Casing L = 6650 EURAS C0
PMDAS200TB66G	Additional casing for telescopic application L = 6650 mill finish
PMDAS200TB66N	Additional casing for telescopic application L = 6650 EURAS C0
PMV3464N44	Sliding guide L = 4450 EURAS C0
PMV3464N66	Sliding guide L = 6650 EURAS C0
PMRGR3465160	Guide vibration proof gasket (160 m roll)
PMDAS802B50	Transmission belt 50 m

Front cover

Article Code	Article Description
PMDAS200C44G	Cover L = 4450 mill finish
PMDAS200C66G	Cover L = 6650 mill finish
PMDAS200C44N	Cover L = 4450 EURAS C0
PMDAS200C66N	Cover L = 6650 EURAS C0
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Note: To check the position of the components and the specific accessories, please refer to the "WIZARD DAS" program

Packaging

Article Code	Article Description
PM25782B	Packaging for DAS200T assembled operator (telescopic)
PM25783B	Head caps for packaging of DAS200T assembled operator (telescopic)

Ditec DAS200T

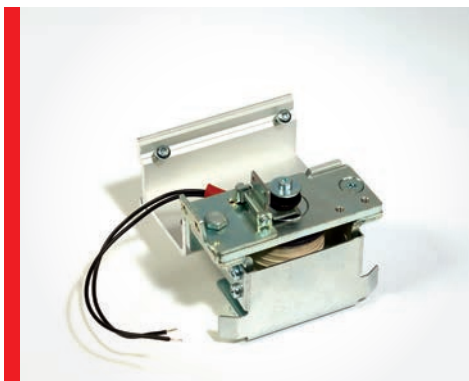
Automation for commercial telescopic sliding doors

Max capacities	1 + 1 wing	2 + 2 wings
Max very heavy duty	240 Kg	320 Kg

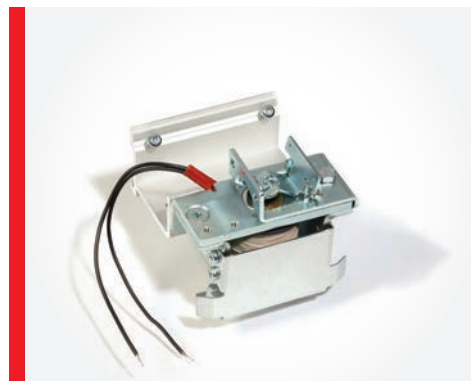
KIT

Specific accessories

Article Code	Article Description
PMDAS802LOK	Wing stop device complete with brackets, without release handle
PMDAS802LOKA	Anti-panic system complete with brackets, without release handle
PMDAS802LOKB	Two position block system complete with brackets, without release handle (in combination with DAS902MP)
PMLOKSBM	Manual release handle, wall mounted
PMDASLOKSB	Manual release handle integrated in the casing
PMDAS901BAT1	Emergency battery (12 Vdc)
PMDAS902BAT2	Back-up battery (24 Vdc)
PMDAS902MP	Plus Module PCB (required for DAS802LOKB)
PMDAS800CMP	Plus Module PCB cable extension
PMDAS800CPS	Power supply cable extension L = 2400 mm
PMDAS900PH1A	Pair of photocells
PMDAS40M8	N° 4 fixing plates (1+1 wings) for ALU48
PMDASTAC16	Brackets kit and fixing plates for AC1356/PAM16 (1+1 wing)
PMDASTAC	Brackets kit and fixing plates for AC4255/AC4870 (1+1 wing)
PMDAST30	Brackets kit and fixing plates for PAM30 (1+1 wing)
PMDAS802RJ45	RJ45 connector for DAS900CTI
PMDAS802RJA	RJ45 adapter for electronic selectors
PMDAS900FM	Magnetic limit switch indicator micro kit



DAS802LOK



DAS802LOKA



DAS802LOKB



DAS902MP

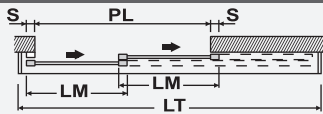
Ditec DAS200T

Automation for commercial telescopic sliding doors

Max capacities	1 + 1 wing	2 + 2 wings
Max very heavy duty	240 Kg	320 Kg

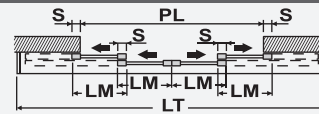
ASSEMBLED

1 Wing



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
PMDAS200TA1L20	1237	693	2000	
PMDAS200TA1L22	1370	760	2200	
PMDAS200TA1L26	1637	893	2600	
PMDAS200TA1L30	1903	1027	3000	
PMDAS200TA1L33	2103	1127	3300	
PMDAS200TA1L36	2303	1227	3600	
PMDAS200TA1L40	2570	1360	4000	
PMDAS200TA1L44	2837	1493	4400	
PMDAS200TA1L66	4303	2227	6600	

2 Wings



Code Up to	Dimensioning - mm			Basic automation With MILL FINISH aluminium casing
	PL= Nominal transit opening	LM=wing S=overlap with S=50+50 nominal	LT= Automation length	
-	-	-	-	
-	-	-	-	
-	-	-	-	
PMDAS200TA2L30	1920	2 x 530	3000	
PMDAS200TA2L33	2120	2 x 580	3300	
PMDAS200TA2L36	2320	2 x 630	3600	
PMDAS200TA2L40	2587	2 x 697	4000	
PMDAS200TA2L44	2853	2 x 763	4400	
PMDAS200TA2L66	4320	2 x 1130	6600	

Note: To check the position of the components or when Ditec or generic frames are used with S overlap different from the one shown, or with other additional specific accessories, please refer to the "WIZARD DAS" program

Note: Finally, the fixing plates must be added (please see pages 34-35)

Specific accessories

Article Code	Article Description
PMSPDAS802LOK	Wing stop device complete with brackets, without release handle, assembled
PMSPDAS802LOKA	Anti-panic system complete with brackets, without release handle, assembled
PMSPDAS802LOKB	Two position block system complete with brackets, without release handle, assembled (in combination with DAS902MP)
PMSPDASLOKSB	Manual release handle integrated in the casing, assembled
PMSPDAS901BAT1	Emergency battery (12 Vdc), assembled
PMSPDAS902BAT2	Back-up battery (24 Vdc), assembled
PMSPDAS902MP	Plus Module PCB (required for DAS802LOKB), assembled
PMSPDAS800CMP	Plus Module PCB cable extension, assembled
PMSPDAS800CPS	Power supply cable extension L = 2400 mm, assembled
PMSPDAS800KPI	PAS005AP detection safety sensor built in the cover, assembled
PMSPDAS802RJ45	RJ45 connector for DAS900CTI, assembled
PMSPDAS900FM	Magnetic limit switch indicator micro kit, assembled

Ditec DAS200T

Automation for commercial telescopic sliding doors

Max capacities	1 + 1 wing	2 + 2 wings
Max very heavy duty	240 Kg	320 Kg

ASSEMBLED

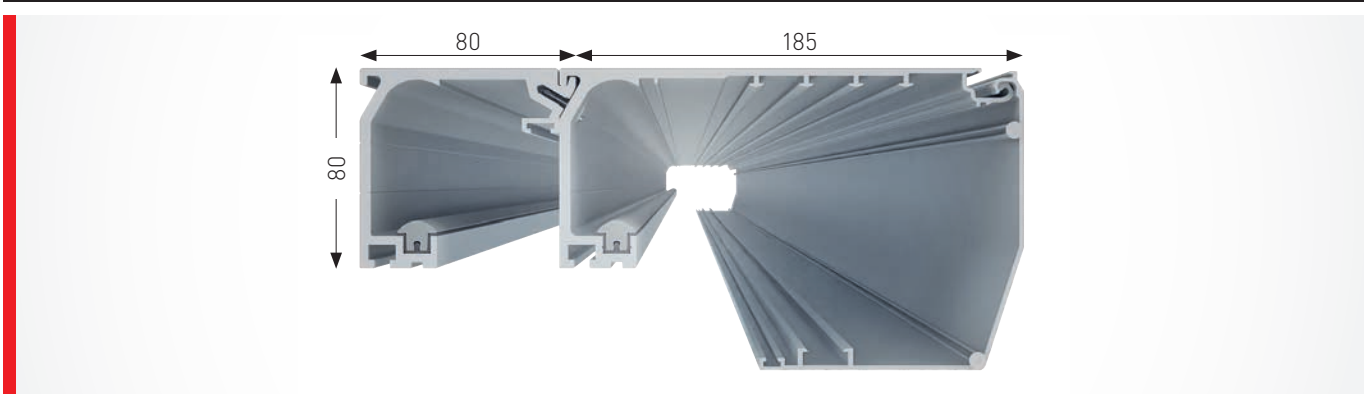
Transformation into version for emergency exits

Article Code	Article Description
PMSPDAS200RG	Surcharge to update to redundant version (including battery DAS902BAT2)

Front cover

Standard casing length		MILL FINISH		Standard casing length		EURAS C0	
mm	Code Up to			mm	Code Up to		
2000	PMCRDASG20			2000	PMCRDASN20		
2200	PMCRDASG22			2200	PMCRDASN22		
2600	PMCRDASG26			2600	PMCRDASN26		
3000	PMCRDASG30			3000	PMCRDASN30		
3300	PMCRDASG33			3300	PMCRDASN33		
3600	PMCRDASG36			3600	PMCRDASN36		
4000	PMCRDASG40			4000	PMCRDASN40		
4400	PMCRDASG44			4400	PMCRDASN44		
6600	PMCRDASG66			6600	PMCRDASN66		

QUICK AND SAFE INSTALLATION



Ditec DAS200T

Automation for commercial telescopic sliding doors

Function-selectors

Article Code	Article Description
--------------	---------------------

Mechanical

- | | |
|-------------|--|
| PMCOM501MKS | Mechanical function-selector with key operation |
| PMCOM501MHS | Mechanical function-selector with handle operation |

Digital

- | | |
|------------|--|
| PMCOM500ES | Digital electronic function-selector |
| PMCOM500ER | Digital electronic function-selector with security key - without box
(in combination with DAS902MP) |

Electronic

- | | |
|------------|--|
| PMCOM501ES | Electronic capacitive touch function-selector with Bluetooth® module and RJ45 connector for interface Configuration Tool DAS900CTI |
| PMCOM502ES | Electronic capacitive touch function-selector with Bluetooth® module |
| PMCOM502ER | Electronic function-selector with capacitive touch push buttons, protection key (Euro cylinder) and Bluetooth® module |

Accessories

Article Code	Article Description
--------------	---------------------

- | | |
|---------|---|
| PMCOMAR | Double external square box for COM500ER |
|---------|---|

Configuration accessories - Configuration Tool

Article Code	Article Description
--------------	---------------------

- | | |
|-------------|--|
| PMDAS900CT | Configuration Tool, Configuration App for tablet (only for Android devices) |
| PMDAS900CTI | Bluetooth® interface for direct connection between the Control Panel and the Slider Configuration Tool |



COM501MKS - COM501MHS



COM501ES



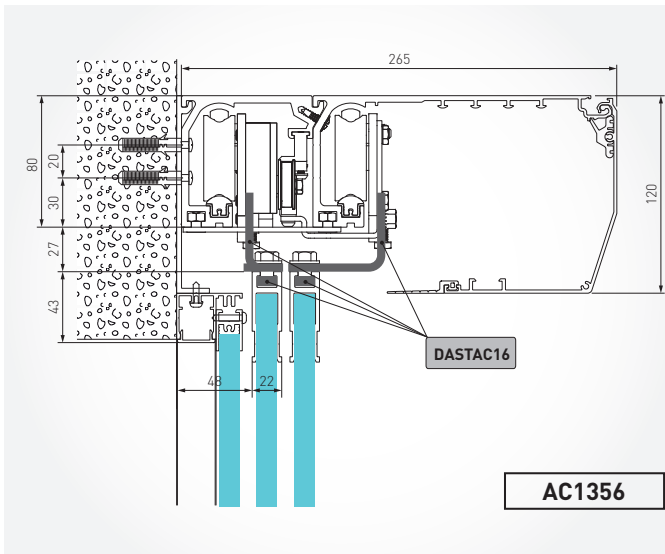
COM502ES



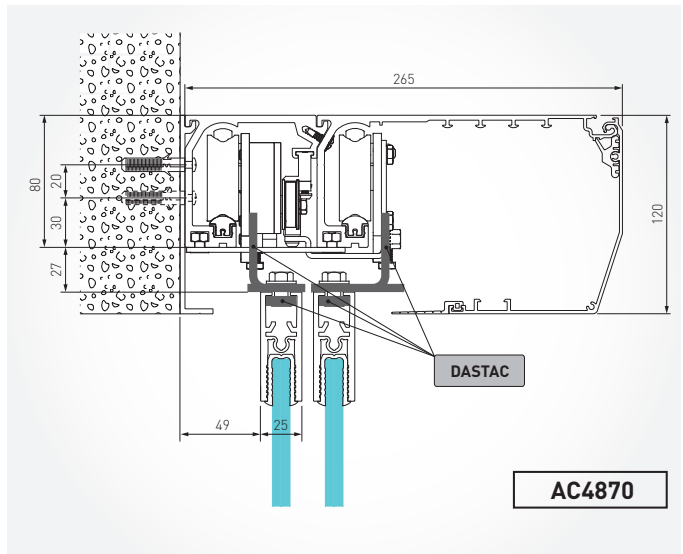
COM502ER

DOOR HOLDERS AND FIXING PLATES SELECTION TABLE

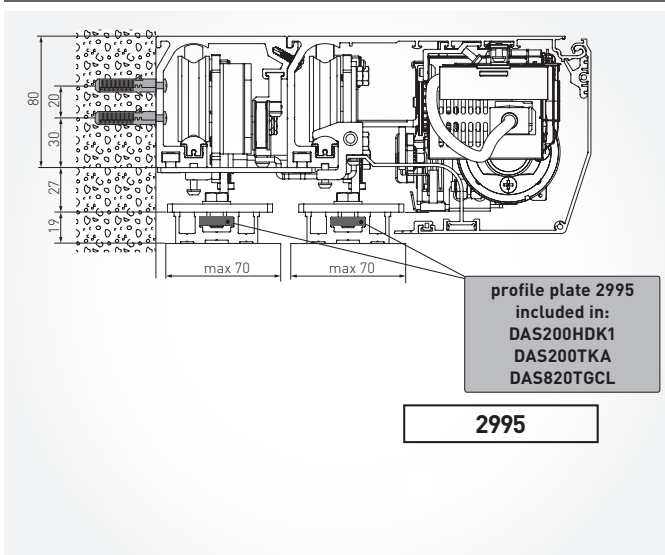
Series profiles AC1356 - DASTAC16



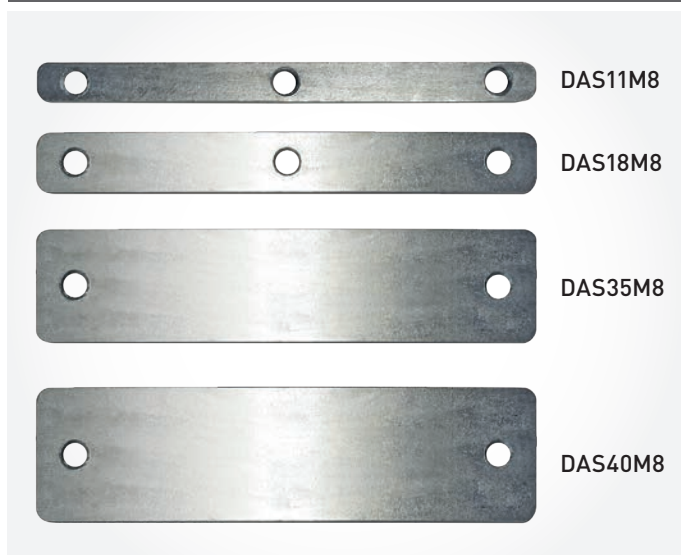
Series profiles AC4870 - DASTAC



Generic frame - 2995



Fixing plates



Ditec DAS200 how to compose the range

KIT

DAS200



DAS200K1

fixed components kit for
1 DAS200 wing

DAS200HD



DAS200HDK1

fixed components kit for
1 DAS200HD wing

DAS200T



DAS200HDK1



DAS200TKA
TELESCOPIC KIT

fixed components kit for
1+1 DAS200HD telescopic wings



ASSEMBLED

Ditec DAS200
how to compose
the range

DAS200



assembled code DAS200



assembled front cover

DAS200HD



assembled code DAS200HD



assembled front cover

DAS200T



assembled code DAS200T



assembled front cover



Ditec DAS200RG DAS200TRG



Ditec DAS is the most complete range of automations for sliding, commercial, pedestrian doors, suitable for every possible need starting with escape route systems.

The solutions of the DAS range cover the regulatory requirements of every market, and include:

- Redundant anti-panic system with DAS200RG, and the telescopic version DAS200TRG
- Break-out anti-panic system available on DAS200 e DAS200HD

INTELLIGENT



INNOVATIVE
DESIGN



CERTIFIED



SMART THINGS



Technical specifications

	DAS200RG	DAS200TRG
Description	automation for sliding doors	automation for telescopic sliding doors
Special uses	redundant emergency system	redundant emergency system
Max. wing weight	150 kg (1 wing) 280 kg (2 wing)	240 kg (1+1 wing) 320 kg (2+2 wing)
Clear passage	765 - 3215 mm (1 wing) 865 - 3240 mm (2 wings)	1370 - 4303 mm (1+1 wing) 1587 - 4320 mm (2+2 wings)
Product dimensions mm (HxWxL)	120 x 185 x L	120 x 265 x L
Max. opening and closing speed (2 wings)	1.6 m/s	1.6 m/s
Power supply	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz
Power supply rated power	150 W	150 W
Accessories power supply	24 V=/1 A	24 V=/1 A
Protection rating	IP20	IP20
Approvals	TÜV	TÜV
Control panel	1DAS20RGQE	1DAS20RGQE

Main functions

	DAS200RG - DAS200TRG
Control panel	1DAS20RGQE
Power supply	100 ÷ 240 Vac, -10%/+10%; 50/60 Hz
Batteries	24 Vdc
Hold force adjustment	■
Obstacle detection (stop while opening or reverse while closing)	■
Automatic passage opening width selection (depending on the flow of people)	■
Hold open time	0 - 60 s
Presence hold open time	0 - 60 s
Opening safety function (speed limiting)	■
Battery energy saving function in case of power failure	■
Emergency reverse with presence sensor	■ (compliant with EN 16005)
Safety test and safety monitoring function	■ (compliant with EN 16005)
"Fire alarm" function	■ (optional with DAS902MP)
Emergency opening function	■



INTELLIGENT

- An advanced control panel autonomously manages the regular checks carried out to ensure each component is working properly, and guarantees the opening of the door in the event of:
 - A power supply failure
 - A fire alarm signal
 - Partial or total system malfunctioning
- **Smart** start-up mode with **self-acquisition** function, including automatic detection and recognition of:
 - Passage opening
 - Door weight
 - Anti-panic lock device presence
 - Back-up 24 Vdc battery
- Superior **energy efficiency** with a **switching power supply unit** offering a wide range of operating voltages
- **Digital programming** with over 90 parameters including **speed, timer, position** and **emergency function** parameters



INNOVATIVE DESIGN

- The **arrow design** on the front creates a **distinctive identity** that is easily recognizable and gives the product a **slim (120 mm height of cover)** and elegant look
 - The horizontally breakline creates a bold and **strong brand image**
- The Ditec design is intended to **make customers' lives easier** and to **optimise stock** management and logistics
- Just **one casing** for all the operators of the DAS200 family
 - A **practical rear beam**, which matches with the main casing, for a fast and safe **telescopic** door installation, reducing the complexity of the old stock
 - The **same carriage unit** and **door holder** for all applications (Ditec framed and glass panel doors, commercail doors)
 - Steel lateral heads for a **secure mechanical connection** to the casing **and an elegant look**



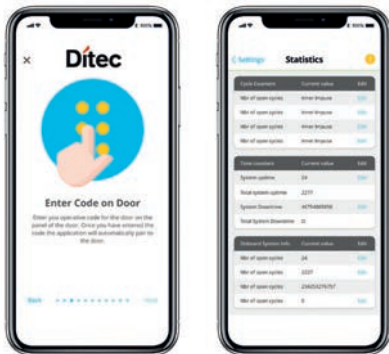
CERTIFIED

- EN 16005:2012 - 1 and 2 - Powered pedestrian door
- DIN 18650:2010 - 1 and 2 - Powered pedestrian door
- AutSchR:1997
- EN 60335 - 1 and 2 - Safety electrical appliances
- EN ISO 13849 - 1 - Safety of machinery
- 2006/42/EC - Machinery Directive
- 2014/30/EU - Electromagnetic Compatibility Directive
- 2011/65/EU - RoHS Restriction of Hazardous Substances
- 1907/2006/EC - REACH Registration, Evaluation, Authorisation and Restriction of Chemicals



SMART THINGS

Ditec offers two different **App** based solutions - one of the **end user** and one for the **installer** - for a smart management and control of DAS automatic doors.



DITEC DOOR CONNECT



Free App available on Play Store and App Store.

For use with latest generation Bluetooth®-equipped COM501 and COM502 function-selectors, offering the end user access to the following features:

- 5 functions, including **RESET**
- Download and send **events** and **statistics log**
- Download and send **error log**
- Add and manage **App users** (up to 7)
- Manage setting of **partial opening** and **timer-controlled automatic closing parameters**
- **People count and flow control management**



SLIDER CONFIGURATION TOOL



An **advanced software** (DAS900CT) for **installers**, allowing the **complete configuration** and management of DAS200 doors from a tablet or handheld device (requires DAS900CTI interface). This software offers the **installer** the following features:

- Usage of 5 controller functions, including **RESET**
- **Configure all parameters** of the control panel
- Download and upload **preset parameter configurations**
- Manage **events** and **errors log**
- Manage complete **statistics log**
- Manage and schedule **maintenance**



KIT

Basic automation

Article Code	Article Description
PMDAS200RGK1	Fixed component kit for 1 redundant DAS200RG wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - 1 power supply - 1 gear motor - 1 control unit - N° 2 trolleys + door holders + 2995 fixing plates for commercial frames - 1 pulley - mechanical stops, end caps, brackets for cover
PMDAS902BAT2	Battery (24 Vdc)
PMDAS820GCL	Trolleys for 2 nd wing + door holders + 2995 fixing plates for commercial frames
PMDAS820CLS	Additional trolley for door wing > 1600 mm
PMDAS200B44G	Casing L = 4450 mill finish
PMDAS200B66G	Casing L = 6650 mill finish
PMDAS200B44N	Casing L = 4450 EURAS C0
PMDAS200B66N	Casing L = 6650 EURAS C0
PMV3464N44	Sliding guide L = 4450 EURAS C0
PMV3464N66	Sliding guide L = 6650 EURAS C0
PMRGR3465160	Guide vibration proof gasket (160 m roll)
PMDAS802B50	Transmission belt 50 m

Front cover

Article Code	Article Description
PMDAS200C44G	Cover L = 4450 mill finish
PMDAS200C66G	Cover L = 6650 mill finish
PMDAS200C44N	Cover L = 4450 EURAS C0
PMDAS200C66N	Cover L = 6650 EURAS C0
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Note: To check the position of the components and the specific accessories, please refer to the "WIZARD DAS" program

Specific accessories

Article Code	Article Description
PMDAS11M8	N° 4 fixing plates (n° 2 wings) for AC1356, PAM16 and PAM30
PMDAS18M8	N° 4 fixing plates (n° 2 wings) for AC4255 and AC4870
PMDAS40M8	N° 4 fixing plates (n° 2 wings) for ALU48

Packaging

Article Code	Article Description
PM25782A	Packaging for DAS200 assembled operator (standard)
PM25783A	Head caps for packaging of DAS200 assembled operator (standard)



KIT

Basic automation

Article Code	Article Description
PMDAS200RGK1	Fixed component kit for 1 redundant DAS200RG wing The kit contains, in one box, the components, bolts and screws required for creating an automation system, including: - 1 power supply - 1 gear motor - 1 control unit - N° 2 trolleys + door holders + 2995 fixing plates for commercial frames - 1 pulley - mechanical stops, end caps, brackets for cover
PMDAS902BAT2	Battery (24 Vdc)
PMDAS200TKA	Additional fixed component kit for 1+1 wing DAS200T
PMDAS820TGCL	3 rd -4 th wing trolleys
PMDAS820CLS	Additional trolley for door wing > 1600 mm
PMDAS200B44G	Casing L = 4450 mill finish
PMDAS200B66G	Casing L = 6650 mill finish
PMDAS200B44N	Casing L = 4450 EURAS C0
PMDAS200B66N	Casing L = 6650 EURAS C0
PMDAS200TB66G	Additional casing for telescopic application L = 6650 mill finish
PMDAS200TB66N	Additional casing for telescopic application L = 6650 EURAS C0
PMV3464N44	Sliding guide L = 4450 EURAS C0
PMV3464N66	Sliding guide L = 6650 EURAS C0
PMRGR3465160	Guide vibration proof gasket (160 m roll)
PMDAS802B50	Transmission belt 50 m

Front cover

Article Code	Article Description
PMDAS200C44G	Cover L = 4450 mill finish
PMDAS200C66G	Cover L = 6650 mill finish
PMDAS200C44N	Cover L = 4450 EURAS C0
PMDAS200C66N	Cover L = 6650 EURAS C0
PMRGR351180	Adjustable gasket for bottom side of cover (no. 4 rolls of 20 m)

Note: To check the position of the components and the specific accessories, please refer to the "WIZARD DAS" program

Specific accessories

Article Code	Article Description
PMDAS40M8	Fixing plates kit for ALU48
PMDASTAC16	Brackets kit and fixing plates kit for AC1356/PAM16 (1+1 wing)
PMDASTAC	Brackets kit and fixing plates kit for AC4255/AC4870 (1+1 wing)
PMDAST30	Brackets kit and fixing plates kit for PAM30 (1+1 wing)

Packaging

Article Code	Article Description
PM25782B	Packaging for DAS200T assembled operator (telescopic)
PM25783B	Head caps for packaging of DAS200T assembled operator (telescopic)

Ditec DAS200RG - DAS200TRG

Automation for commercial sliding doors,
redundant system with double gearmotor

KIT

Max capacities DAS200RG	1 wing	2 wings
Max very heavy duty	150 Kg	280 Kg
Max capacities DAS200TRG	1 + 1 wing	2 + 2 wings
Max very heavy duty	240 Kg	320 Kg

Specific accessories

Article Code	Article Description
PMDAS802LOKA	Anti-panic system complete with brackets, without release handle
PMDAS802LOKB	Two position block system complete with brackets, without release handle (in combination with DAS902MP)
PMLOKSBM	Manual release handle, wall mounted
PMDASLOKSB	Manual release handle integrated in the casing
PMDAS902MP	Plus Module PCB (required for DAS802LOKB)
PMDAS800CMP	Plus Module PCB cable extension
PMDAS800CPS	Power supply cable extension L = 2400 mm
PMDAS900PH1A	Pair of photocells
PMDAS802RJ45	RJ45 connector for DAS900CTI
PMDAS802RJA	RJ45 adapter for electronic selectors
PMDAS900FM	Magnetic limit switch indicator micro kit



COM501MKS



COM501ES



COM500ER



COM502ER

Ditec DAS200RG - DAS200TRG

Automation for commercial sliding doors,
redundant system with double gearmotor

Max capacities DAS200RG	1 wing	2 wings
Max very heavy duty	150 Kg	280 Kg
Max capacities DAS200TRG	1 + 1 wing	2 + 2 wings
Max very heavy duty	240 Kg	320 Kg

Assembled automation

Article Code	Article Description
PMSPDAS200RG	Surcharge to update to redundant version (including battery DAS902BAT2)

Note: Assembled automations is composed by: assembled code DAS200HD + surcharge to update to redundant version.
Exemple: 1 wing automation DAS200HDA1L30 with LT = 3000 mm + SPDAS200RG

Function-selectors

Article Code	Article Description
--------------	---------------------

Mechanical

PMCOM501MKS	Mechanical function-selector with key operation
-------------	---

Digital

PMCOM500ER	Digital electronic function-selector with security key - without box (in combination with DAS902MP)
------------	--

Electronic

PMCOM501ES	Electronic capacitive touch function-selector with Bluetooth® module and RJ45 connector for interface Configuration Tool DAS900CTI
------------	--

PMCOM502ES	Electronic capacitive touch function-selector with Bluetooth® module
------------	--

PMCOM502ER	Electronic function-selector with capacitive touch push buttons, protection key (Euro cylinder) and Bluetooth® module
------------	---

Accessories

Article Code	Article Description
PMCOMAR	Double external square box for COM500ER

Configuration accessories - Configuration Tool

Article Code	Article Description
PMDAS900CT	Configuration Tool, Configuration App for tablet (only for Android devices)
PMDAS900CTI	Bluetooth® interface for direct connection between the Control Panel and the Slider Configuration Tool

Push-buttons and devices

Article Code	Article Description
PM0PSE	Red emergency button
PM0PSEV	Green emergency pushbutton with key operated release device

DUAL TECHNOLOGY - Active infrared 24 GHz microwaves (EN 16005)

Article Code	Article Description
PMPAS024ADT	*Dual technology self testing sensor, 24 GHz microwaves and active infrared, dual function, for redundant sliding doors safe operation, 12÷30 Vdc - IP 54
PMPAS024AMR	*Dual technology self testing sensor, with LCD menu, 24 GHz microwaves and active infrared, dual function, for redundant sliding doors safe operation, 12÷30 Vdc - IP 54

*compliant with the EN 16005 standard

Ditec DAS200R

how to compose the range

KIT

DAS200RG

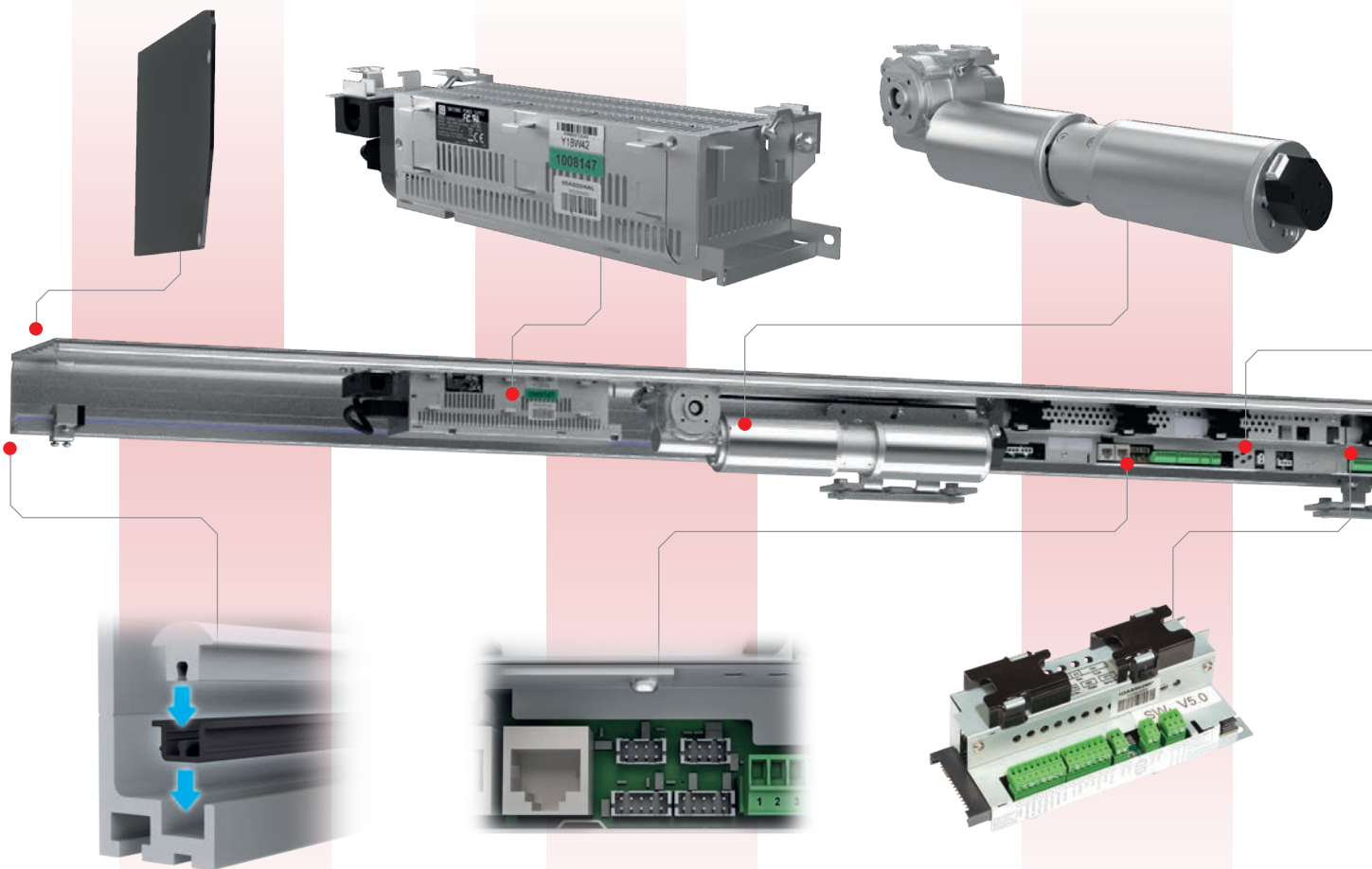


fixed components kit for
1 DAS200RG redundant wing

DAS200TRG



fixed components kit for
1+1 DAS200RG
telescopic
redundant wings



ASSEMBLED

Ditec DAS200R how to compose the range

DAS200RG



assembled code DAS200HD



surcharge to redundant
version,
included DAS902BAT2
(SPDAS200RG)



assembled front cover

DAS200TRG



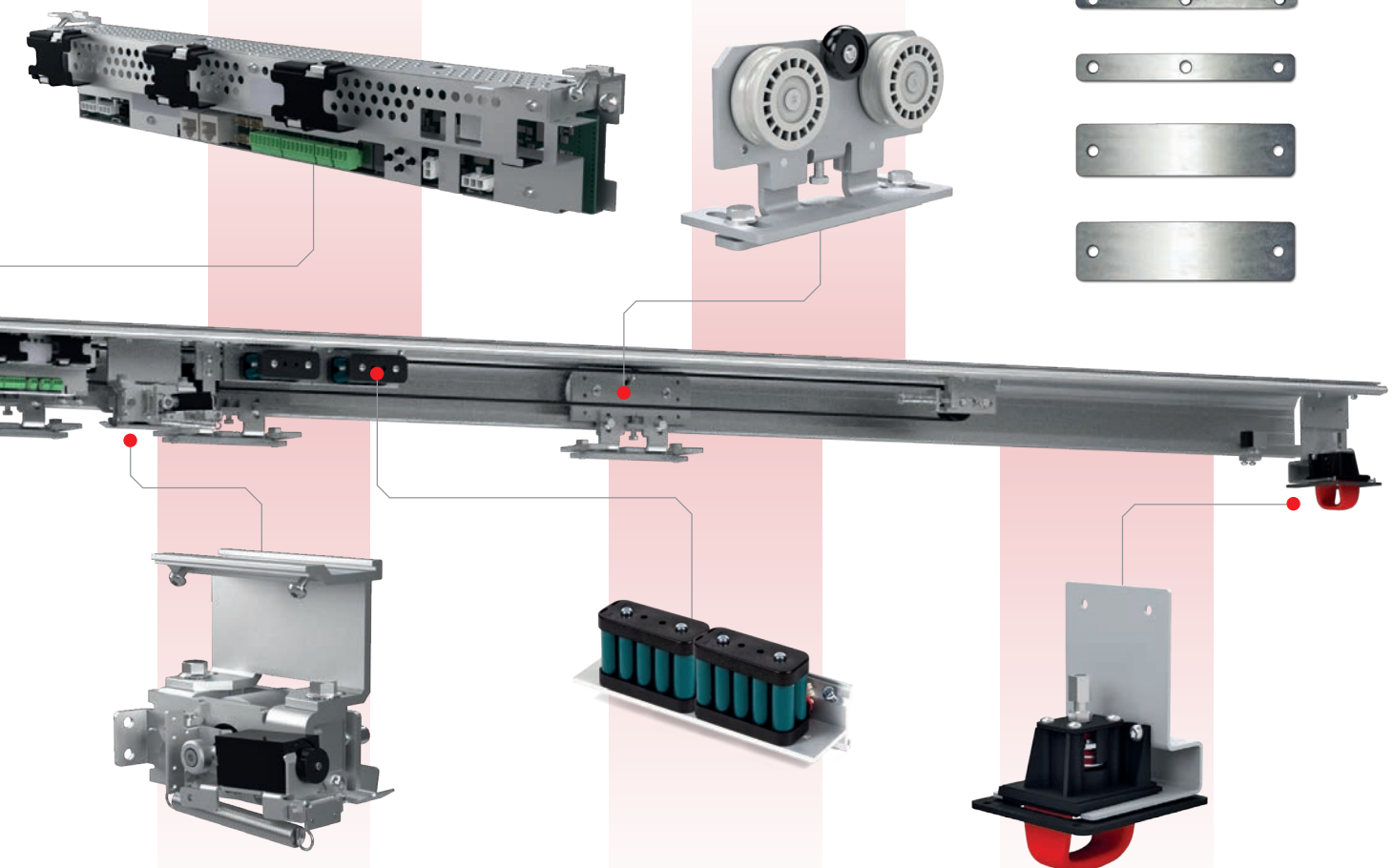
assembled code DAS200T



surcharge to redundant
version,
included DAS902BAT2
(SPDAS200RG)



assembled front cover





There are three anti-panic breakout systems available for ALU48 profiles, TÜV SÜD certified:

- **SBO**: breakout system for inward sliding wings only,
 - **RBO**: breakout system for outward sliding wings only,
 - **TBO**: full breakout system for both wings and fixed side panels.
- This device also makes the door suitable as an EMERGENCY EXIT. They are available for model
- DAS107PLUS
 - DAS200, DAS200HD.

Breakout devices for emergency exits - Framed wings

Article Code	Description of article
PMKASM48	BO Mobile-Wing Breakout Kit
PMKASF48	TBO Side Fixed-Wing Breakout Kit
PMKASF	TBO Side Fixed-Wing Breakout Kit - generic doors
PMDAS902KRB48	Container + RBO Photocell Kit for Ditec DAS107PLUS, DAS200, DAS200HD
PMDAS902KSB48	SBO Photocell Kit for Ditec DAS107PLUS, DAS200, DAS200HD
PMKSER48	Hook Lock Kit for Mobile Wing
PMKSER481	Semi Cylinder for KSER48
PMKSER482	Through Cylinder for KSER48
PMKSERP	Lock kit for floor closing BO wing and generic doors

TBO* - Full breakout inwards sliding doors with fixed side doors		1M+1F		2M+2F	
Code	Description	ALU48	Commercial series***	ALU48	Commercial series***
PMKASM48	BO Mobile-Wing Breakout Kit	1	1	2	2
PMKASF48	BO Side Fixed-Wing Breakout Kit	1	-	2	-
PMKASF	BO Side Fixed-Wing Breakout Kit - generic doors	-	1	-	2
PMKSER48	Hook Lock Kit for Mobile Wing	1	1	1	1
PMKSER481 **	Semi Cylinder for KSER48	1	1	1	1
PMKSER482 **	Through Cylinder for KSER48	1	1	1	1
PMKSERP	Lock kit for floor closing BO wing	1	1	2	2

RBO* - Breakout of outwards sliding wings SBO* - Breakout of sliding inwards wings		1MW		2MW	
Code	Description	ALU48	Commercial series***	ALU48	Commercial series***
PMKASM48	BO Mobile-Wing Breakout Kit	1	1	2	2
PMDAS902KRB48	RBO Photocell Kit (DAS107PLUS, DAS200, DAS200HD)	1	1	1	1
PMDAS902KSB48	SBO Photocell Kit (DAS107PLUS, DAS200, DAS200HD)	1	1	1	1
PMKSER48	Hook Lock Kit for Mobile Wing	1	1	1	1
PMKSER481 **	Semi Cylinder for KSER48	1	1	1	1
PMKSER482 **	Through Cylinder for KSER48	1	1	1	1
PMKSERP	Lock kit for floor closing BO wing	1	1	2	2

Notes: * TÜV certified within the limits indicated in the approval (Commercial Series excluded)

** choose only one of the two optional cylinders for each lock

KSERP = universal lock with pin key - application envisaged on internal plinths with floor-closing bolt. Complete incorporated bushing kit

*** in order to complete the installation, the following profiles are also required:

V9834G50 (mill finish) or V9834N50 (Euras C0) breakout-wing attachment

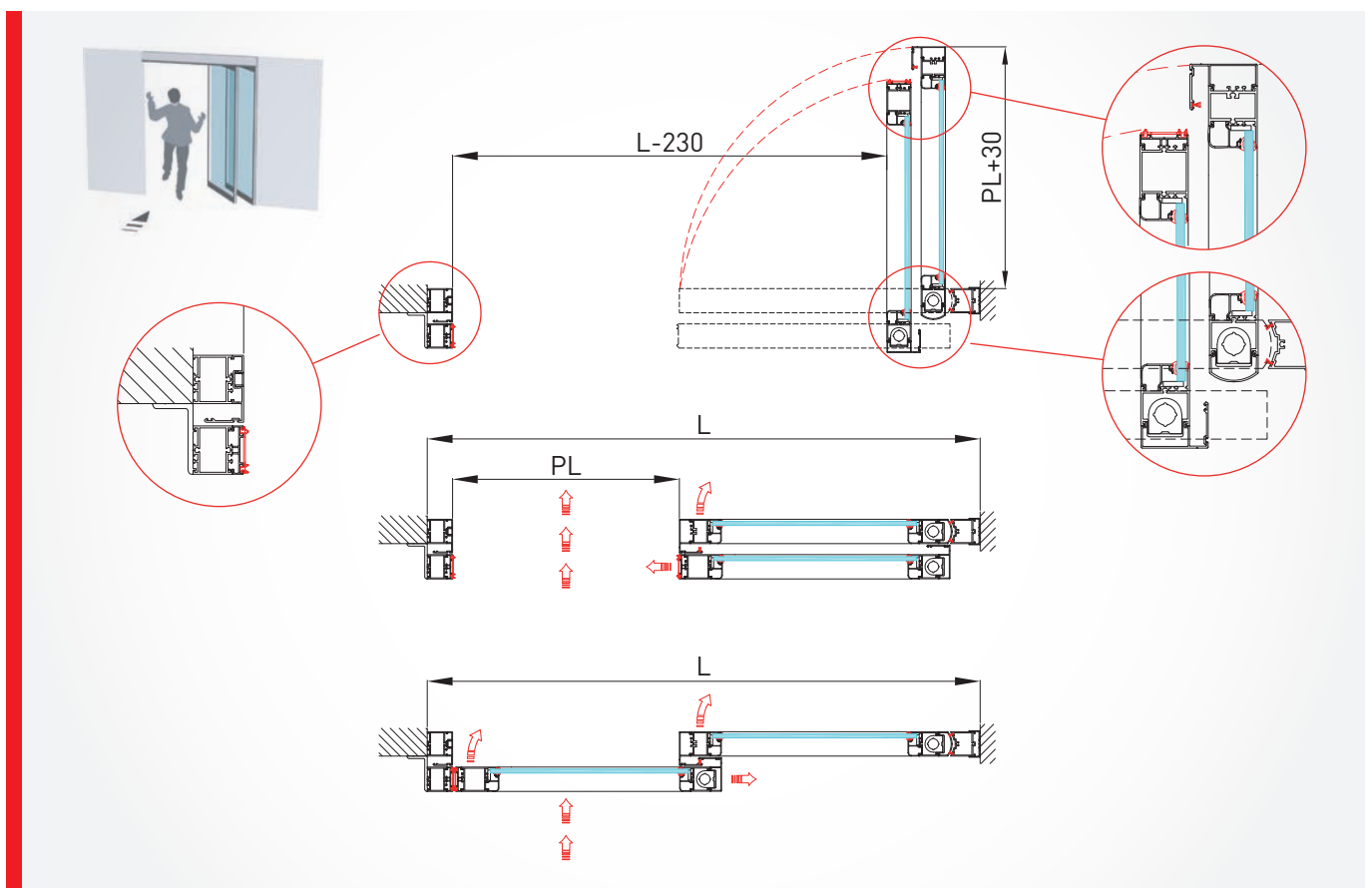
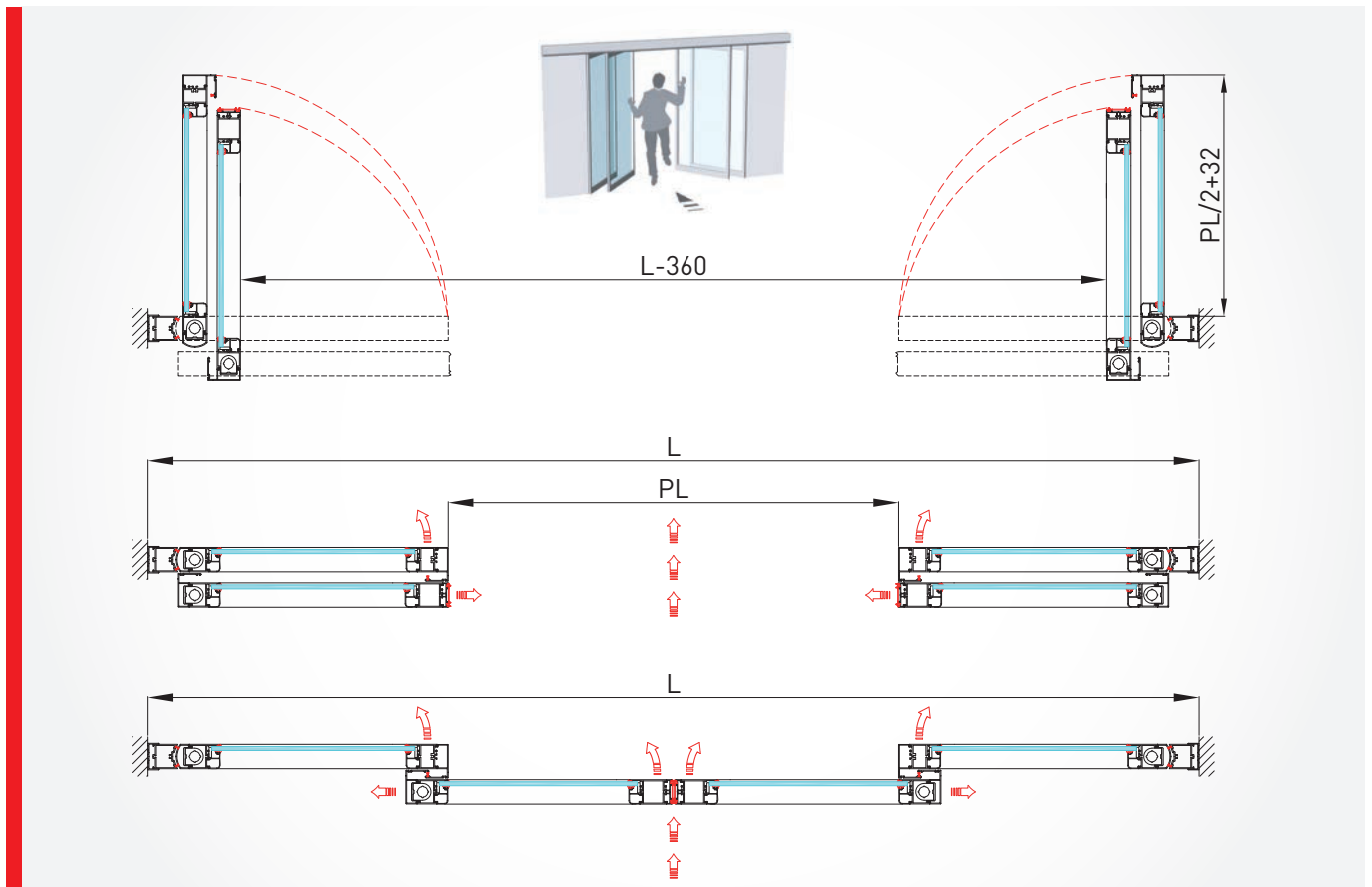
V9845N50 (Euras C0) floor guides for breakout wings

see technical instructions IP2205 and IP2209 in the download area of our website www.ditecautomations.com



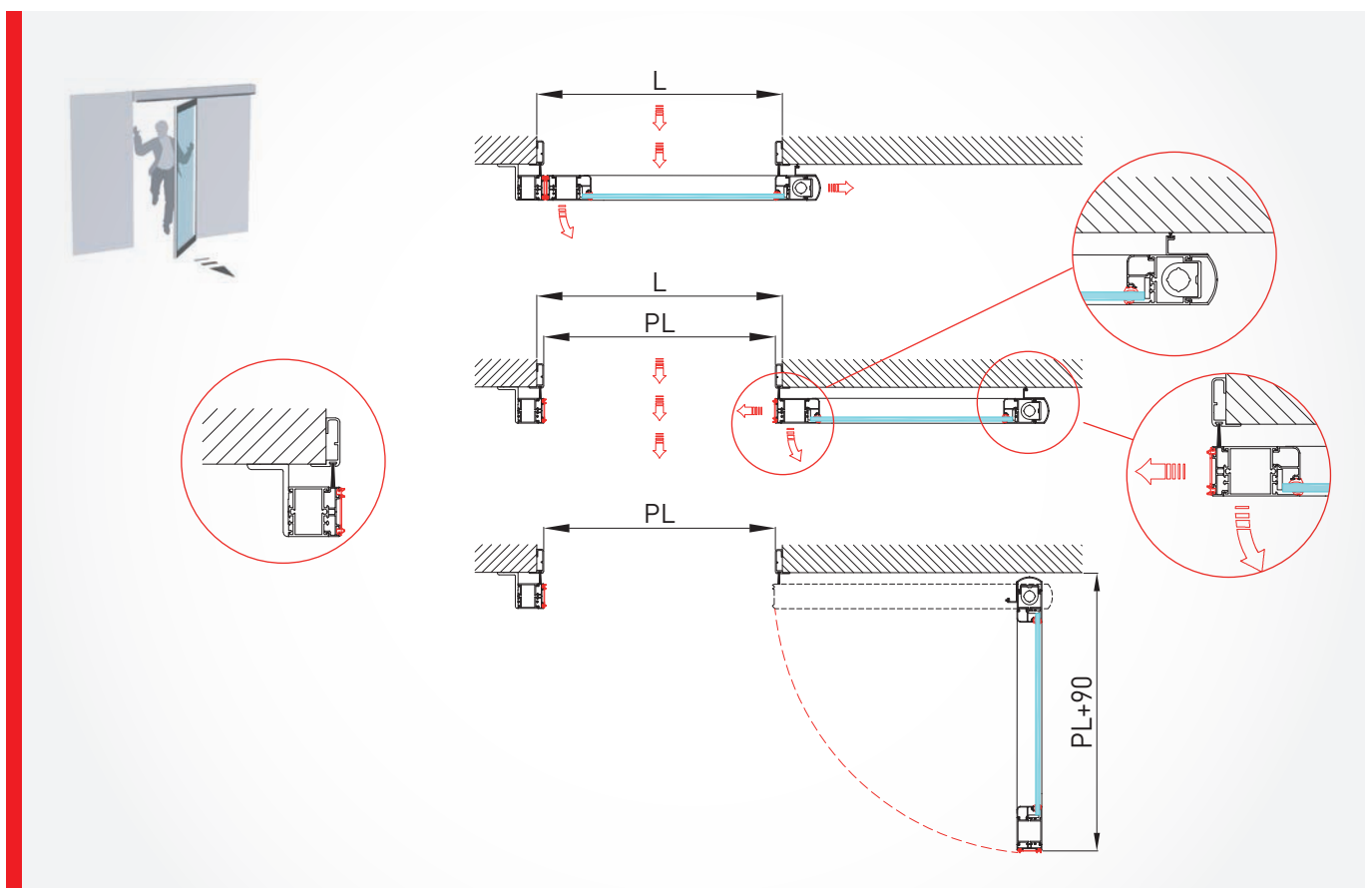
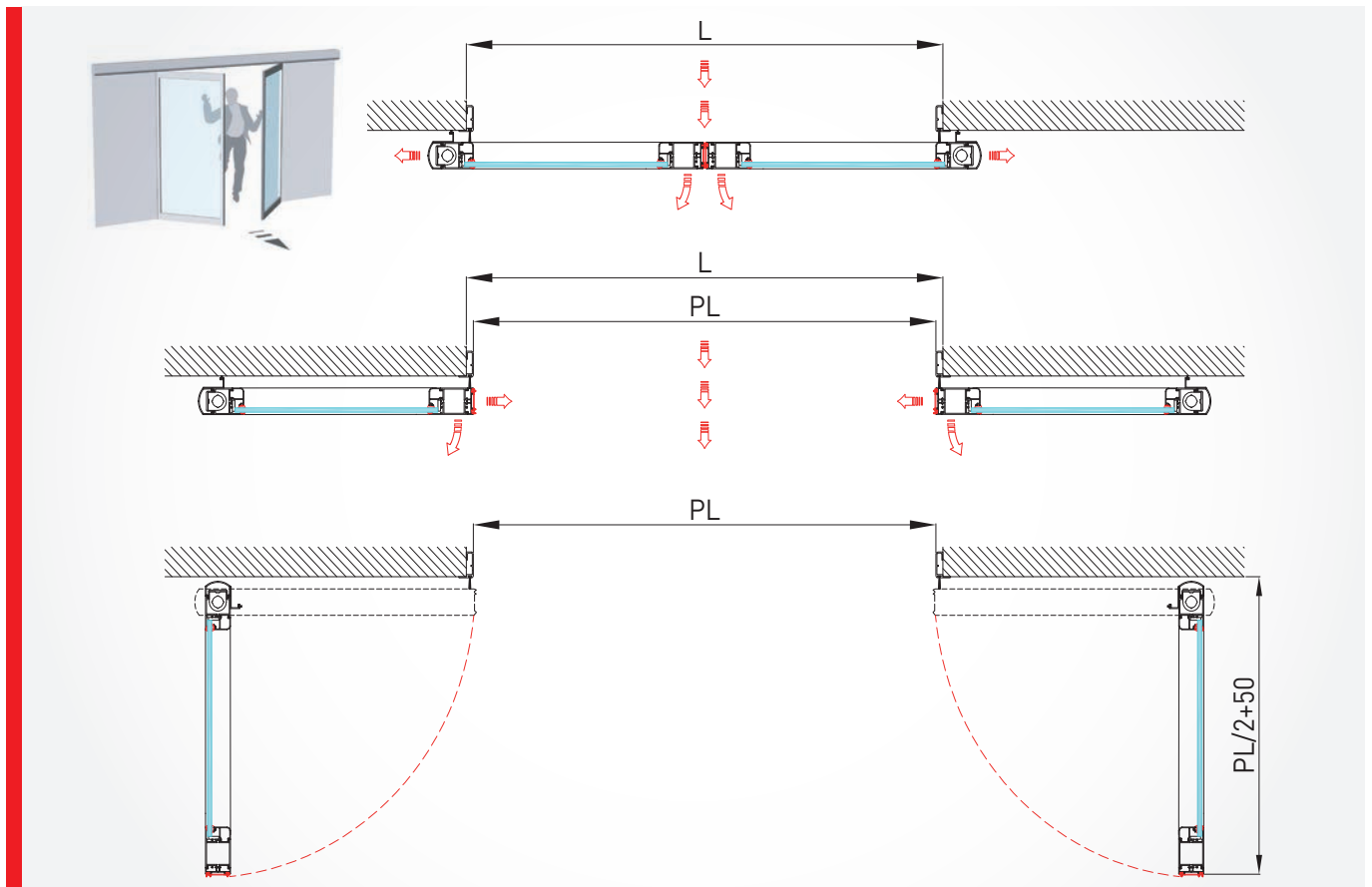
Anti-panic breakout systems TB0

ALU48 TB0 anti-panic full-breakout system



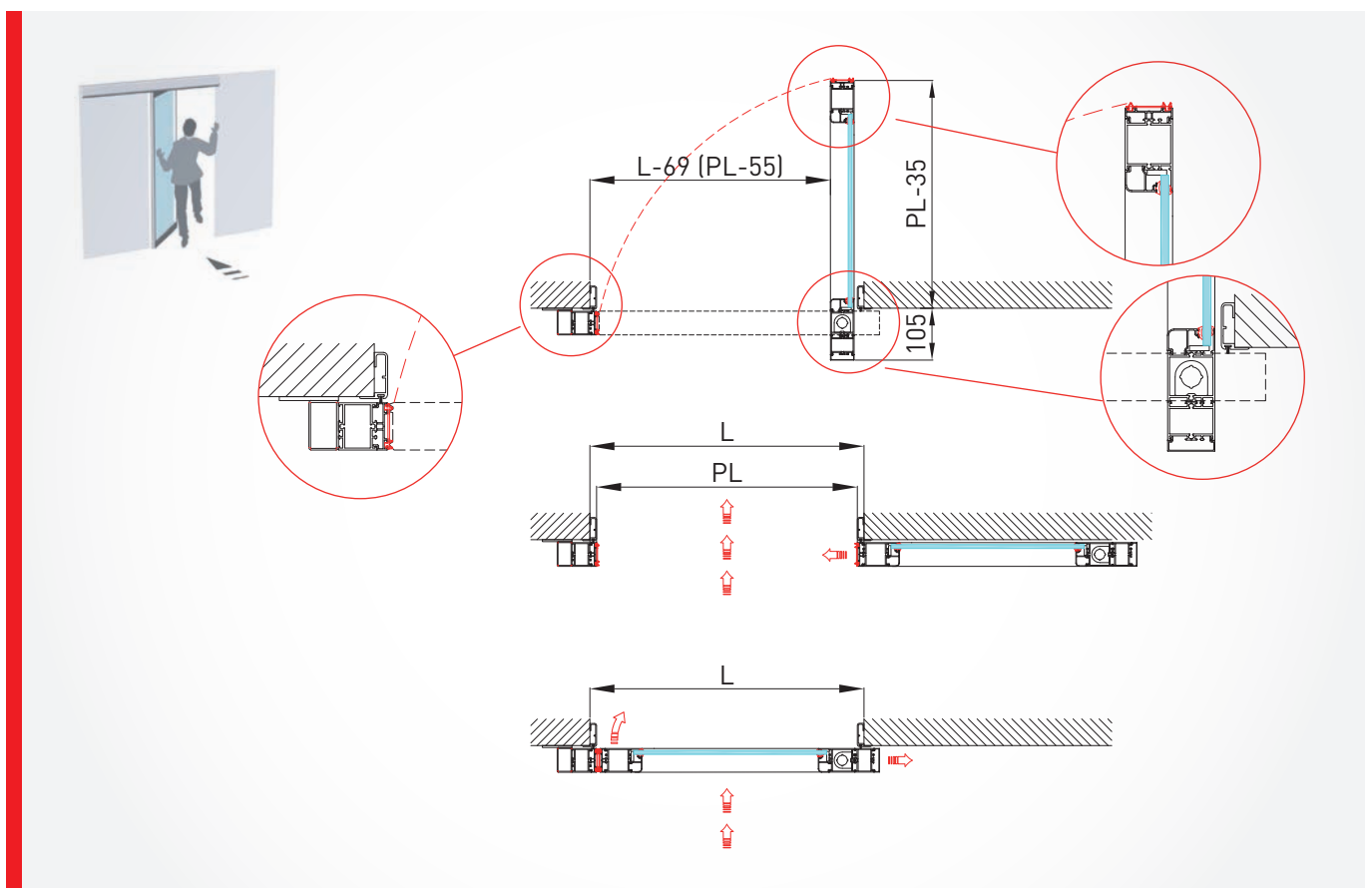
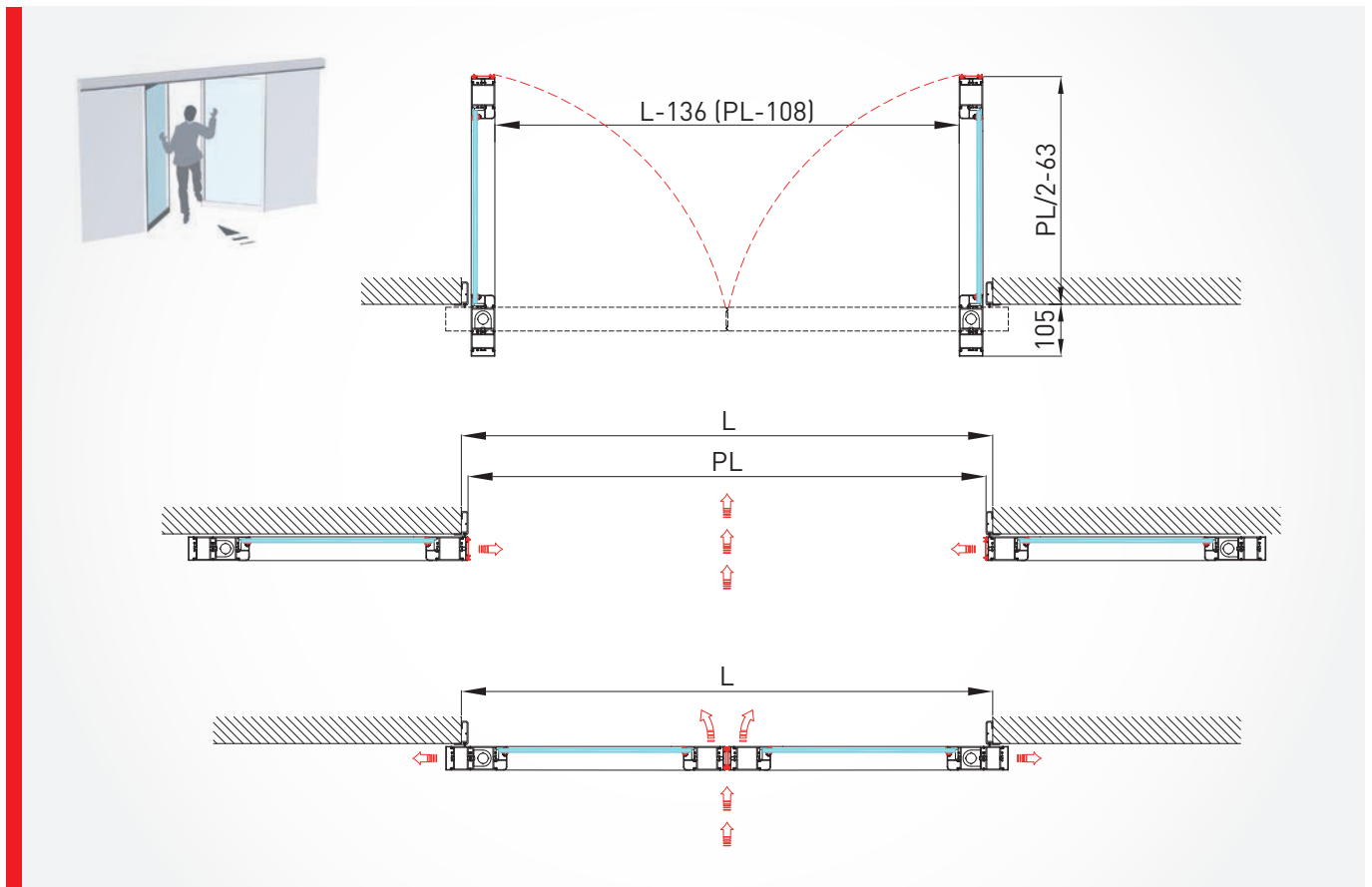
Anti-panic breakout systems RBO

ALU48 RBO outdoor moving door anti-panic breakout system



Anti-panic breakout systems SBO

ALU48 SBO interior moving door anti-panic breakout system





Ditec offers tailored solutions to meet any mandatory requirements of special sectors: from controlled atmosphere environments to operating rooms the pharmaceutical industry and analysis laboratories.



QUALITY AND PERFORMANCE

- Semi-hermetic closure (along the 2 vertical frames of the wing) and hermetic closure (along the 4 edges of the wing)
- Maximum silence thanks to anti-vibration tracks and gaskets
- Integrated sensors with rounded lines for maximum hygiene



POWERFUL

- Configuration for a maximum capacity of 500 kg.
- High resistance reinforced nylon wheels



CERTIFIED

- Hermetic closure seal certified according to UNI EN 1026 and UNI EN 12207
- Sound reduction certified to UNI EN ISO 10140-2 standard

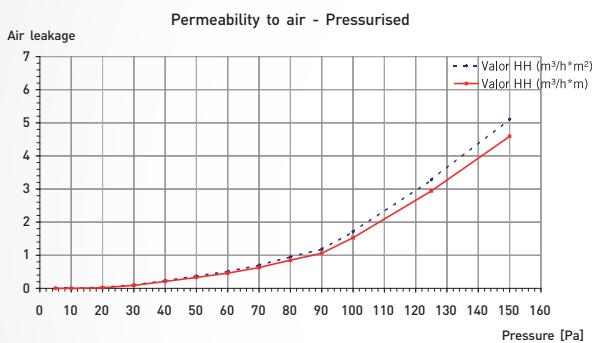
Technical specifications of available models

	VALOR HS	VALOR HH
Description	automation for heavy sliding doors	automation for airtight sliding doors
Special uses	airtight wings for hospitals and clean rooms	hermetic airtight wings for hospitals and clean rooms
Stroke control	encoder	encoder
Capacity	class 4: 200 kg (1 wing) / 340 kg (2 wings)	class 4: 200 kg (1 wing) / 200 kg (2 wings)
Capacity with 2 wheels per runner	class 5: 170 kg (1 wing) / 300 kg (2 wings)	class 5: 160 kg (1 wing) / 160 kg (2 wings)
Capacity with 2 wheels per runner and 3rd runner	class 5: 300 kg (1 wing) / 360 kg (2 wings)	
Capacity with 2 wheels per runner and 3rd runner	class 6: 220 kg (1 wing) / 300 kg (2 wings)	
Intermittent operation	class 4: S2 = 20 min / S3 = 30% class 5: S2 = 60 min / S3 = 60% class 6: S3 = 100%	class 4: S2 = 20 min / S3 = 30% class 5: S2 = 60 min / S3 = 60%
Power supply	230 Vac / 50-60 Hz	230 Vac / 50-60 Hz
Power input	1 A	1 A
Maximum opening and closing speed	0.5 m/s (1 wing) 1.0 m/s (2 wings)	0.5 m/s (1 wing) 1.0 m/s (2 wings)
Release system for manual opening	handle type	
Operating temperature	-20°C / +55°C (-10°C / +50°C batteries)	+2°C / +55°C (+2°C / +50°C batteries)
Protection rating	IP20	IP20
Product dimensions mm (HxWxL)	300 x 150 x L	300 x 150 x L
Control panel	EL32 (built in)	EL32 (built in)

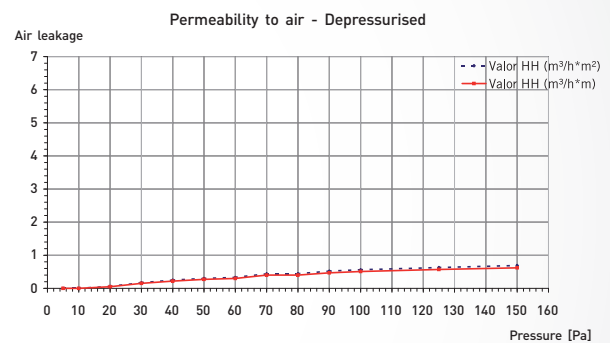
Main functions of the system

	VALOR HS - HH
Control panel	EL32
Description	for 1 24 Vdc motor
Mains power supply	230 Vac / 50-60 Hz
Batteries (ensure operation in the event of power cuts)	■ (optional)
Energy saving	energy saving when in use
Number of motors	1
Motor power supply	24 Vdc / 15 A
Accessories power supply	24 Vdc / 0.5 A
Electro-mechanical lock	24 Vdc / 1 A
Courtesy light	■ (with MP1)
Encoder (speed and deceleration control)	■
Force setting	electronics
ODS - Obstruction Detection System (this system stops or reverses operation if an obstacle is detected)	■
Speed setting	■
Braking / Slowing down (allows optimal approach)	■
Open control	■
Push and Go	■
Partial opening control	■
Close control	■ (optional with MP1)
Temporised automatic closing	■
Emergency stop	■
Emergency reverse	■
Safety test and safety monitoring	■
Built-in photocell amplifier	■

Permeability to air diagram - VALOR HH operator 1 wing and PAMH60 frame



Pressurised test:
Class 3 - Ref. UNI EN 1026 - UNI EN 12207
Class 5 - Ref. UNI EN 12426 - UNI EN 12427



Depressurised test:
Class 4 - Ref. UNI EN 1026 - UNI EN 12207
Class 5 - Ref. UNI EN 12426 - UNI EN 12427

Full certificate no. 324/10 is available on request



Ditec VALOR HS

Automation for heavy sliding doors
and semi-hermetic doors



Ditec VALOR HS is the sliding door actuator that guarantees semi-hermetic closure, minimum noise level and hygiene in any hospital environment. Moreover, VALOR HS can handle a maximum capacity of 500 kg on two wings or 450 kg on each single wing (ideal for the radiology sector where lead screening of wings is required).



POWERFUL

- Configuration for a maximum capacity of 500 kg
- High resistance reinforced nylon wheels



QUALITY AND PERFORMANCE

- Semi-hermetic closure (along the 2 vertical frames of the wing)
- Maximum silence thanks to anti-vibration tracks and gaskets
- Integrated sensors with rounded lines for maximum hygiene

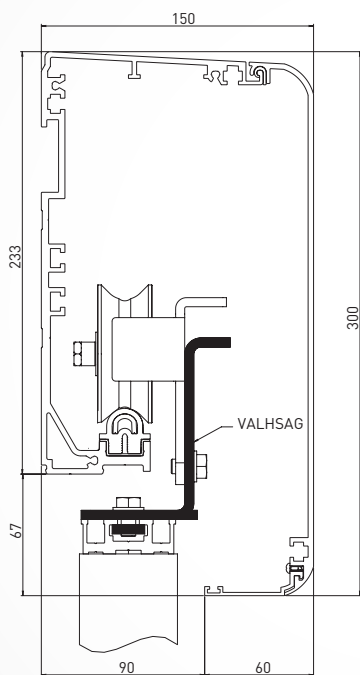


INTELLIGENT

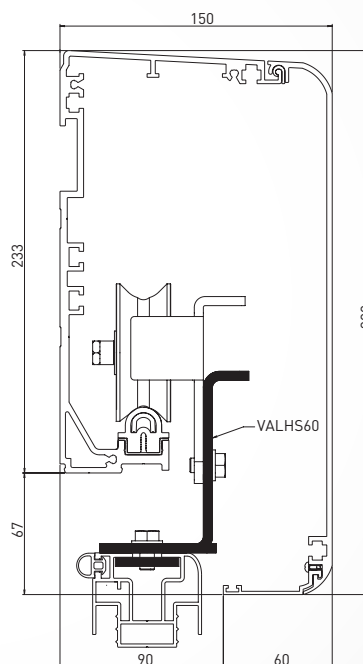
- Innovative electronic panel (EL32) with self-adjustment of automatic opening times and passageway
- MD1 display for monitoring and controlling regulation functions

SECTIONS

GENERIC FRAME



PAMH60 FRAME



KIT

Basic automation

Article Code	Description of article
PMKVAL1HS	Fixed components kit for 1 VALOR HS automatic wing (gear motor Z32C) The kits contain, in one box, the components, bolts and screws required for creating an automation system, including: <ul style="list-style-type: none"> - Gear motor - Feeder unit - Electronic panel - Transmission unit - Trolleys - Die-casting aluminium right/left head
PMKVALM1HS	Fixed components kit for 1 manual VALOR HS wing - prepared for motorisation The kits contain, in one box, the components, bolts and screws required for creating an automation system, including: <ul style="list-style-type: none"> - Transmission unit - Trolleys
PMKVALHSGC	VALOR HS 2nd wing trolleys
PMKVALHS2RC	VALOR HS 1 wing 2nd wheel kit
PMKVALHSCLS	VALOR HS 1 wing 3rd trolleys
PMRGR427680	Guide vibration proof gasket 80 mm
PMOKP851B	Cover-casing gasket 200 m
PMRCG8M1050	Transmission belt 8M10, 50 m roll
PMV4218N66	Sliding guide L = 6650 EURAS C0
PMV4229G66	Casing L = 6650 mill finish
PMV4229N66	Casing L = 6650 EURAS C0

Front cover

Article Code	Description of article
PMVALHHSI	Cover intermediate support, for LT ≥ 3200 mm
PMVALHSTF	Pair of heads in RAL 9006 painted steel
PMV4274G66	Vertical cover L = 6650 mill finish
PMV4274N66	Vertical cover L = 6650 EURAS C0
PMV4352G66	Horizontal cover L = 6650 mill finish
PMV4352N66	Horizontal cover L = 6650 EURAS C0

Specific accessories

Article Code	Description of article
PMKEMC2	Ferrite pair kit (1 kit required for VALOR HS)
PMVALHSLOK	Wing stop device complete with brackets, without release handle
PMLOKSBM	Manual release handle, wall mounted
PMVALHHABC	Anti-panic system with back-up battery
PMVALHHABE	Emergency battery anti-panic device
PMVALHHFM	Magnetic limit switch indicator micro kit
PMKVALHHT2	VALOR HS earth kit for 1 or 2 wings
PMMP1	Plus Module PCB
PMPAS005APIH	Detection safety sensor built in the cover

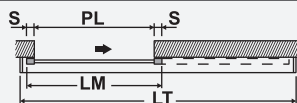
Ditec VALOR HS

Automation for heavy sliding doors and semi-hermetic doors

ASSEMBLED

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	170 Kg	300 Kg
Maximum very heavy duty [2nd additional wheel]	300 Kg	360 Kg
Maximum heavy duty [2nd additional wheel + 3rd runner]	450 Kg	500 Kg

1 Wing - with lead-free wing and wing containing lead



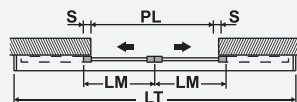
Code Up to	Dimension - mm					Basic automation
	lead-free wing		wing containing lead		LT= Automation length	
	PL= nominal access opening	LM=wing S=overlap with S=60+60 nominal	PL= nominal access opening	LM=wing S=overlap with S=120+120 nominal		With Mill finish aluminium casing
PMVAL1HS23	1015	1135	925	1165	2300	
PMVAL1HS29	1315	1435	1225	1465	2900	
PMVAL1HS35	1615	1735	1525	1765	3500	
PMVAL1HS41	1915	2035	1825	2065	4100	
PMVAL1HS50	2365	2485	2275	2515	5000	
PMVAL1HS66	3165	3285	3075	3315	6600	

MANUAL version - READY FOR AUTOMATION

1 Wing - with lead-free wing and wing containing lead

PMVALM1HS23	1015	1135	925	1165	2300	
PMVALM1HS29	1315	1435	1225	1465	2900	
PMVALM1HS35	1615	1735	1525	1765	3500	
PMVALM1HS41	1915	2035	1825	2065	4100	

2 Wings - with lead-free wings



Code Up to	Dimension - mm			Basic automation
	PL= nominal access opening	LM=wing S=overlap with S=60+60	LT= Automation length	
PMVAL2HS26	1198	656	2600	
PMVAL2HS32	1498	806	3200	
PMVAL2HS38	1798	956	3800	
PMVAL2HS46	2198	1156	4600	
PMVAL2HS50	2398	1256	5000	
PMVAL2HS66	3198	1656	6600	

MANUAL version - READY FOR AUTOMATION

2 Wings - with lead-free wings

PMVALM2HS26	1198	656	2600	
PMVALM2HS32	1498	806	3200	
PMVALM2HS38	1798	956	3800	
PMVALM2HS46	2198	1156	4600	

Note: To check the position of the transformer, of the back-up battery and of the indoor sensor for intermediate sizes, or when Ditec or generic frames are used with a different S overlap compared to the one shown, or with other additional specific accessories, please refer to the "Sliding Configurator" program (assembly check) or E-commerce Configurator

Note: Upon placing the order, always specify where the SPPAS005APIH sensor must be positioned, if in the centre, on the left or on the right of the opening

Note: When using the handles, the passing space available is reduced. Please refer to the "Sliding Configurator" program (assembly check) or E-commerce Configurator and to the PAMH60 frame price list to check the correct dimensions of the automation

Note: When ordering automations with wings fitted with lead shielding and standard wings, standard frames can be ordered with the same overlap in height as those with lead, in order to align the automation position in terms of height (see PAMH60 frames price list)

Note: Finally, the wing connection profiles and the door holders shall have to be added (please refer to the following page)

Ditec VALOR HS

Automation for heavy sliding doors and semi-hermetic doors

ASSEMBLED

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	170 Kg	300 Kg
Maximum very heavy duty (2nd additional wheel)	300 Kg	360 Kg
Maximum heavy duty (2nd additional wheel + 3rd runner)	450 Kg	500 Kg

Front cover

Standard casing length mm	MILL FINISH		EURAS C0	
	Code Up to		Code Up to	
2300	-		PM CRVALHHN23	
2600	-		PM CRVALHHN26	
2700	-		-	
2900	-		PM CRVALHHN29	
3200	-		PM CRVALHHN32	
3300	PM CRVALHHG33		-	
3500	-		PM CRVALHHN35	
3800	-		PM CRVALHHN38	
4100	-		PM CRVALHHN41	
4600	PM CRVALHHG46		PM CRVALHHN46	
5000	-		PM CRVALHHN50	
6600	PM CRVALHHG66		PM CRVALHHN66	

PM**SPVALHSTF (optional)** Pair of heads in RAL 9006 painted steel, assembled

Door holder selection table

Article Code	Description of article
PM VALHS60	Pair of door holders for PAMH60 frames
PM VALHSAG	Pair of door holders if combined with generic frame requires the wing connection specified below
PM 20AIV2995	Framed wing connection 2000 mm - Mill finish
PM 20AIV2995N	Framed wing connection 2000 mm - EURAS C0

Extra charges

Article Code	Description of article
PM SPVALHHCN33	Surcharge for anodised casing for automation length up to LT ≤ 3300 mm
PM SPVALHHCN66	Surcharge for anodised casing of automation length LT > 3300 mm

Note: Upon ordering 1 wing automations, always indicate the opening direction as viewed from the front cover

Ditec VALOR HS

Automation for heavy sliding doors
and semi-hermetic doors

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	170 Kg	300 Kg
Maximum very heavy duty (2nd additional wheel)	300 Kg	360 Kg
Maximum heavy duty (2nd additional wheel + 3rd runner)	450 Kg	500 Kg

Programming accessories

Article Code	Description of article
PMMD1	Recessed display module
PMMDA	Display module wall mounting

Accessories

Article Code	Description of article
PMSPKVALHS2RC	Surcharge for 2nd additional wheel kit, assembled to increase weight up to 300 kg for single wing or 360 kg for double wing
PMSPKVALHSCLS	Surcharge for 3rd runner kit, assembled to increase weight up to 450 for single wing or 500 kg for double wing
PMSPVALHSLOK	Wing stop device complete with brackets, without release handle, assembled
PMLOKSBM	Manual release handle, wall mounted
PMSPVALHHFM	Magnetic mechanical stop for indicator and/or interlock, assembled
PMSPKVALHHT2	Earth kit for 1 or 2 wings, assembled
PMSPVALHHABC	Anti-panic system with back-up battery, assembled
PMSPVALHHABE	Anti-panic system with emergency battery, assembled
PMSPPAS005APIH	Detection safety sensor built in the cover, assembled
PMSPMP1	Plus Module Board mounted on automation

Photocells - Area sensors - Push-buttons - Function-selectors - Regulators

see Accessories section

Ditec VALOR HH

Automation for hermetic sliding doors



Ditec VALOR HH represents excellence in the field of automation systems for controlled atmosphere environments. Certified hermetic closure and a specific design for a low noise level and for hygiene makes VALOR HH the ideal automation system for a hospital environment.



QUALITY AND PERFORMANCE

- Hermetic closure on 4 sides guaranteed by specific non-toxic silicone seals (no EPDM rubber)
- Positioning device for lowering the wing, and for moving it sideways by 10 mm for optimizing pressure on the seal
- Maximum silence thanks to anti-vibration tracks and gaskets



MAXIMUM HYGIENE

- Rounded design to avoid dust deposits
- Integrated safety sensors in the automation system

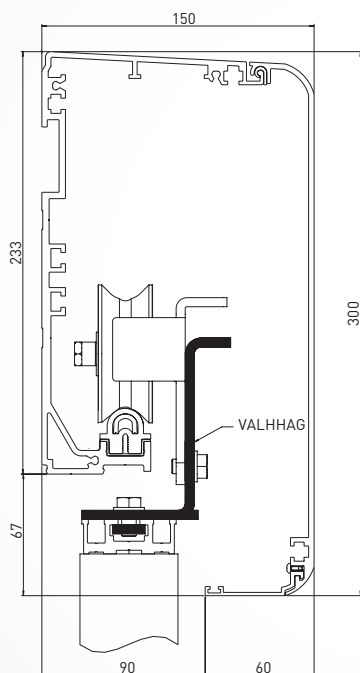


CERTIFIED

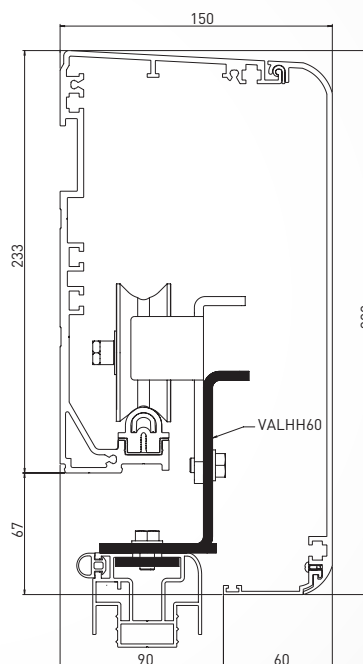
- Hermetic closure seal certified according to UNI EN 1026 and UNI EN 12207
- Sound reduction certified according to UNI EN ISO 10140-2 standard

SECTIONS

GENERIC FRAME



PAMH60 FRAME



KIT

Basic automation

Article Code	Description of article
PMKVAL1HH	Fixed components kit for 1 VALOR HH automatic wing (gear motor Z32C) The kits contain, in one box, the components, bolts and screws required for creating an automation system, including: - Gear motor - Feeder unit - Electronic panel - Transmission unit - Trolleys - Die-casting aluminium right/left head
PMKVALM1HH	Fixed components kit for 1 manual VALOR HH wing - prepared for motorisation The kits contain, in one box, the components, bolts and screws required for creating an automation system, including: - Transmission unit - Trolleys
PMKVALHHGC	VALOR HH 2nd wing trolleys
PMRGR427680	Guide vibration proof gasket 80 m
PMOKP851B	Cover-casing gasket 200 m
PMRCG8M1050	Transmission belt 8M10, 50 m roll
PMV4218N66	Sliding guide L = 6650 EURAS C0
PMV4229G66	Casing L = 6650 mill finish
PMV4229N66	Casing L = 6650 EURAS C0

Front cover

Article Code	Description of article
PMVALHHSI	Cover intermediate support, for LT ≥ 3200 mm
PMVALHSTF	Pair of heads in RAL 9006 painted steel
PMV4274G66	Vertical cover L = 6650 mill finish
PMV4274N66	Vertical cover L = 6650 EURAS C0
PMV4352G66	Horizontal cover L = 6650 mill finish
PMV4352N66	Horizontal cover L = 6650 EURAS C0

Specific accessories

Article Code	Description of article
PMKEMC2	Ferrite pair kit (1 kit required for VALOR HH)
PMLOKSBM	Manual release handle, wall mounted
PMVALHHABC	Anti-panic system with back-up battery
PMVALHHABE	Emergency battery anti-panic device
PMVALHHFM	Magnetic limit switch indicator micro kit
PMMP1	Plus Module PCB
PMPAS005APIH	Detection safety sensor built in the cover

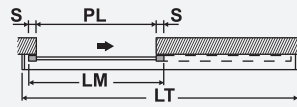
Ditec VALOR HH

Automation for hermetic sliding doors

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	200 Kg	200 Kg

ASSEMBLED

1 Wing - with lead-free wing and wing containing lead



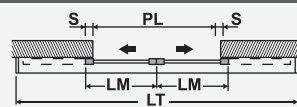
Code Up to	Dimension - mm					LT= Automation length	Basic automation With Mill finish aluminium casing
	lead-free wing		wing containing lead				
	PL= nominal access opening	LM=wing S=overlap with S=60+60 nominal	PL= nominal access opening	LM=wing S=overlap with S=120+120 nominal			
PMVAL1HH25	1027	1147	937	1177	2500		
PMVAL1HH31	1327	1447	1237	1477	3100		
PMVAL1HH37	1627	1747	1537	1777	3700		
PMVAL1HH43	1927	2047	1837	2077	4300		

MANUAL version - READY FOR AUTOMATION

1 Wing - with lead-free wing and wing containing lead

PMVAL1HH25	1027	1147	937	1177	2500	
PMVAL1HH31	1327	1447	1237	1477	3100	
PMVAL1HH37	1627	1747	1537	1777	3700	
PMVAL1HH43	1927	2047	1837	2077	4300	

2 Wings - with lead-free wings



Code Up to	Dimension - mm			LT= Automation length	Basic automation With Mill finish aluminium casing
	PL= nominal access opening	LM=wing S=overlap with S=60+60 nominal			
PMVAL2HH30	1243	679		3000	
PMVAL2HH36	1543	829		3600	
PMVAL2HH42	1843	979		4200	
PMVAL2HH50	2243	1179		5000	

Note: To check the position of the transformer, of the back-up battery and of the indoor sensor for intermediate sizes, or when Ditec or generic frames are used with a different S overlap compared to the one shown, or with other additional specific accessories, please refer to the "Sliding Configurator" program (assembly check) or E-commerce Configurator

Note: Upon placing the order, always specify where the SPPAS005APIH sensor must be positioned, if in the centre, on the left or on the right of the opening

Note: When using the handles, the passing space available is reduced. Please refer to the "Sliding Configurator" program (assembly check) or E-commerce Configurator and to the PAMH60 frame price list to check the correct dimensions of the automation

Note: When ordering automations with wings fitted with lead shielding and standard wings, standard frames can be ordered with the same overlap in height as those with lead, in order to align the automation position in terms of height (see PAMH60 frames price list)

Note: Finally, the wing connection profiles and the door holders shall have to be added (please refer to the following page)

CERTIFIED FEATURES

SOUND REDUCTION according to the UNI EN ISO 10140-2:2010 and UNI EN ISO 717-1:2013 standards:

VALOR HH with panelled wings in
Stainless Steel with 3 mm lead shielding: **34 dB**

VALOR HH with panelled wings in HPL Laminate: **27 dB**



Ditec VALOR HH

Automation for hermetic sliding doors

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	200 Kg	200 Kg

ASSEMBLED

Front cover

Standard casing length	MILL FINISH		EURAS C0	
mm	Code Up to		Code Up to	
2300	-		PM CRVALHHN23	
2500	-		PM CRVALHHN25	
2900	-		PM CRVALHHN29	
3000	-		PM CRVALHHN30	
3100	-		PM CRVALHHN31	
3500	-		PM CRVALHHN35	
3600	PM CRVALHHG36		PM CRVALHHN36	
3700	-		PM CRVALHHN37	
4100	-		PM CRVALHHN41	
4200	-		PM CRVALHHN42	
4300	-		PM CRVALHHN43	
5000	PM CRVALHHG50		PM CRVALHHN50	

PM**SPVALHSTF (optional)** Pair of heads in RAL 9006 painted steel, assembled

Door holder selection table

Article Code	Description of article
PM VALHH60	Pair of door holders for PAMH60 frames
PM VALHHAG	Pair of door holders if combined with generic frame requires the wing connection specified below
PM 20AIV2995	Framed wing connection 2000 mm - Mill finish
PM 20AIV2995N	Framed wing connection 2000 mm - EURAS C0

Extra charges

Article Code	Description of article
PM SPVALHHCN33	Surcharge for anodised casing for automation length up to $LT \leq 3300$ mm
PM SPVALHHCN66	Surcharge for anodised casing of automation length $LT > 3300$ mm

Note: Upon ordering 1 wing automations, always indicate the opening direction as viewed from the front cover

Ditec VALOR HH

Automation for hermetic sliding doors

Maximum capacities	1 wing	2 wings
Maximum very heavy duty	200 Kg	200 Kg

Programming accessories

Article Code	Description of article
PMMD1	Recessed display module
PMMDA	Display module wall mounting

Accessories

Article Code	Description of article
PMSPVALHFFM	Magnetic mechanical stop for indicator and/or interlock, assembled
PMSPKVALHHT2	Earth kit for 1 or 2 wings, assembled
PMSPVALHHABC	Anti-panic system with back-up battery, assembled
PMSPVALHHABE	Anti-panic system with emergency battery, assembled
PMSPPAS005APIH	Detection safety sensor built in the cover, assembled
PMSPMP1	Plus Module Board mounted on automation

Photocells - Area sensors - Push-buttons - Function-selectors - Regulators

see Accessories section





Ditec

AUTOMATION FOR SWING DOORS

Ditec SPRINT

Ditec DAB105

Ditec DAB205

Ditec DAB305

Ditec SPRINT

Ditec DAB105 - DAB205 - DAB305



Automation systems for one- or two-wing swing doors, with motorised opening and closure via motor+spring or motor only, easy to install on new or existing doors.

24 Vdc gear motor with encoder for precise management of the door movement and speed and a high-performance electric panel.

Can be configured with push doors, pull doors, break-out doors and fire doors, based on the type of arm and automation system selected.

Wide range of operating modes, such as LOW ENERGY (reduced impact force) as well as impact avoidance using sensors and selectors switches. Can also be controlled using push-button and access-control systems.

Technical specifications of available models and main functions of the system

	SPRINT	DAB105	DAB205	DAB305
Automation for swing doors	motor opening and closing	motor opening spring and motor closing	motor opening spring and motor closing	motor opening spring and motor closing
Product dimensions mm (H x W x L)	79x93x450	111x131x720	111x131x720	70x175x840
Automation weight (only operator)	3,5 kg	13,9 kg	16 kg	8 kg
Maximum capacity (see operation diagram)	110 kg	200 kg	400 kg	450 kg PUSH arm 370 kg PULL arm
Endurance test	1 M cycles	1 M cycles	1 M cycles	1 M cycles
Stroke control	encoder	encoder	encoder	encoder
Power supply	24 Vdc SPRINTL 230 Vac / 50-60 Hz 120 Vac / 50-60 Hz	100 ÷ 240 Vac, -15%/+10%; 50/60 Hz *	100 ÷ 240 Vac, -15%/+10%; 50/60 Hz*	100 ÷ 240 Vac, -15%/+10%; 50/60 Hz *
Power consumption (max.)	120 W	75 W	300 W	300 W
Auxiliary power	300 mA - 24 Vdc	400 mA - 24 Vdc	700 mA - 24 Vdc	700 mA - 24 Vdc
Electro-mechanical locking device	12 Vdc max 1.2 A	24 Vdc max 250 mA 12 Vdc max 500 mA	24 Vdc max 600 mA 12 Vdc max 1.2 A	24 Vdc max 600 mA 12 Vdc max 1200 mA
Door wing width mm PUSH arm	550 - 1200	550 - 1200 (1200 for fire doors with DAB805PSAF)	550 - 1600 (same width for fire doors)	500 - 1600 (1400 for fire doors)
Door wing width mm PULL arm	650 - 1200	700 - 1200	700 - 1600 (1250 for fire doors)	750 - 1400 (same width for fire doors)
Door wing opening angle	PUSH arm: 100° PULL arm: 110°	PUSH arm: 110° PULL arm: 110°	PUSH arm: 110° PULL arm: 110°	PUSH arm: 110° PULL arm: 110°
Opening time	min 3 s. 0-90° max 6 s. 0-90°	min 3 s. 0-80° max 6 s. 0-80°	min 2.5 s. 0-80° max 12 s. 0-80°	min 2.5 s. 0-80° max 12 s. 0-80°
Closing time	min 4 s. 90°-0° max 7 s. 90°-0°	min 3 s. 90°-10° max 6 s. 90°-10°	min 4 s. 90°-10° max 12 s. 90°-10°	min 4 s. 90°-10° max 12 s. 90°-10°
Hold open time	0÷30 s	1,5÷30 s	1,5÷30 s	0 ÷ 30 s
Operating temperature	-20°C / +55°C	-20°C / +45°C	-20°C / +45°C	-20°C / +45°C
Protection rating	IP 30	IP20	IP20	IP20

* Same product for 230 Vac and 120 Vac power supply

Relevant Directives and Standards

- MD Machine Directive
- EMCD Compatibility Directive Electromagnetic
- EN 16005 User Safety Standard
- LVD Low Voltage Directive
- FIRED TESTED (DAB105, DAB205, DAB305)



Automation system for single-wing swing doors, ideal for internal residential and commercial environments, great looking and non-intrusive thanks to the reduced dimensions and possibility to choose the cover type: light grey or black polymer or EURAS C0 aluminium.



ELEGANT

- Neutral and refined design
- Available in light grey, black and EURAS C0 satin-finished aluminium



EASY TO ASSEMBLE

- Pre-drilled mounting plate
- Simplified and easily accessible internal layout
- Setting adjustments on the electronic card



VERSATILE

- PUSH&GO and LOW ENERGY features
- Anti-panic or continuous mode through battery kit
- SPRINTSET card for specific functions such as electro-mechanical lock and management of alarm signals

Basic automation, opening and closing by motor, without movement arms

Article Code	Description of article
230 Vac power supply and transformer	
PMSPRINTV	Cover in brushed aluminium EURAS C0
PMSPRINTP	Cover in light grey polymer
PMSPRINTPN	Cover in black polymer
24 Vdc power supply without transformer	
PMSPRINTL	Cover in light grey polymer

Movement arms

Article Code	Description of article
PMSBA	Articulated movement arm - black painted steel
PMSPRINTBRAS	3-lever articulated arm - black painted steel
PMSBS	Arm with sliding motion - EURAS C0
PMFBA	Stop for articulated arm

Note:

The articulated arms (SBA) are to be used with doors that open towards the outside seen from automation front-cover side
 The sliding arms (SBS) are to be used with doors that open inwards seen from the automation front cover side

Accessories

Article Code	Description of article
PMSPRINTBAT	Battery kit
PMSPRINTSET	Configuration card to activate special functions

Specific accessories

PMDAB805FPI	Finger protection, for indoor use, H = 1980 mm
PMDAB805FP20	Finger protection, for outdoor use, H = 2015 mm (EN 16005)
PMDAB805FP19	Finger protection, for outdoor use, H = 1925 mm

Common accessories (within limits of use)

Description of article	
Photocells - Volumetric sensors - Buttons - Function-selectors - Regulators	see Accessories section



SPRINTV + SBS



SBA

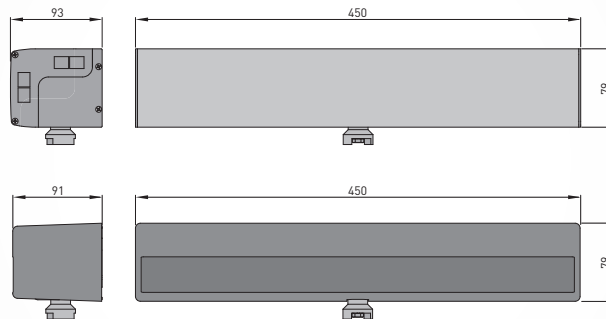


SPRINTBRAS

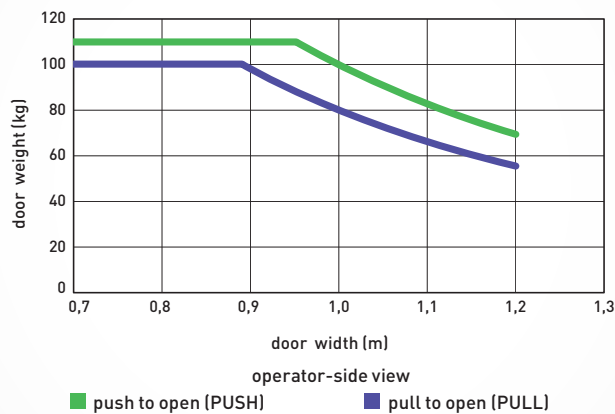


SBS

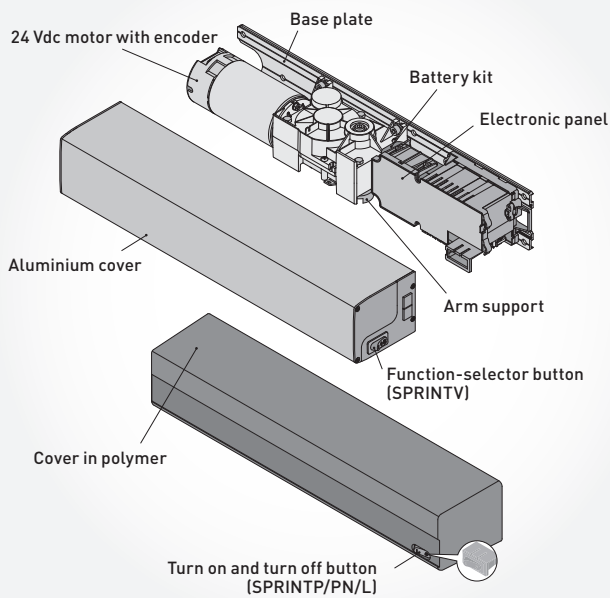
Dimension



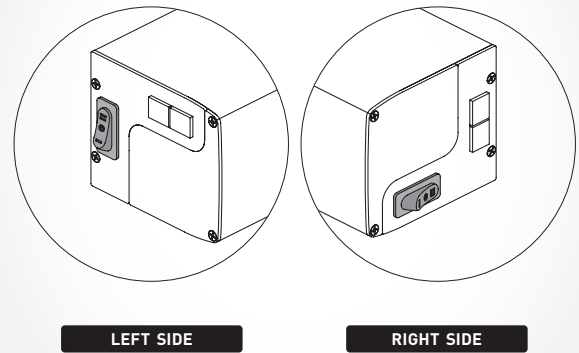
Operation diagram



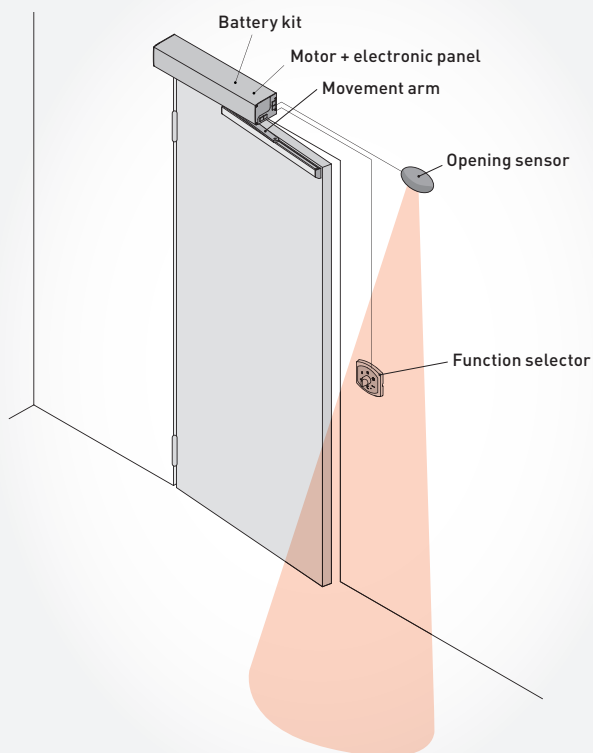
Main components



Function-selector button (only SPRINTV)



Installation type



Operational functions

Automatic mode	■
LOW ENERGY mode	■
PUSH&GO opening	■
Energy-Saving mode	■
Integrated basic selector	■ (SPRINTV version)
Key selector	■ optional (art. COMK*)
Knob selector	■ optional (art. COMH*)
Monitored presence sensor control (EN 16005 compliant)	■ in closing ■ optional in openings
Battery operation	■ optional (SPRINTBAT)
Operator error/alarm signal	■ optional (SPRINTSET)

* the "partial opening" and "night-time stop" features are not available



Electromechanical servo-assisted automation system for swing doors with spring, with 24 Vdc gear motor and encoder-managed kinematics, for safe and reliable management of door movement in every situation.



QUALITY AND PERFORMANCE

- Maximum capacity of 200 kg, to cover all requirements in a commercial environment
- 24 Vdc gear motor, kinematic management via encoder, spring and motorized closure
- Adjustable closing force and delayed opening



UNIVERSAL

- Single actuator for PULL&PUSH functions
- PUSH&GO, Servo-assisted, LOW ENERGY
- ESE and ESA cards for managing specific additional functions
- Switching power supply allows DAB105 to be used with 230 Vac and 120 Vac power supply



EASY TO ASSEMBLE

- Easy and accurate settings with potentiometers and dip-switches
- Automatic self-learning process
- 10 groups of pre-set parameters

Basic automation, without movement arms

Article Code	Description of article
PMDAB105	Basic operator

Movement arms

Article Code	Description of article
PMDAB805PSA	Articulated movement arm
PMDAB805PLA	Sliding movement arm
PMDAB805PLAT	3-lever articulated arm
PMDAB805PLAB	Sliding break-out arm
PMDAB805PSAF	Articulated movement arm fire rated*
PMKPAB	Kit for cable passage
PMFBA	Stop for articulated arm

Accessories

Article Code	Description of article
Additional setting cards	
PMDAB905ESE	Extension unit for management of: electro-mechanical lock, function-selector, batteries, fire mode
PMDAB905ESA	Extension unit for management of: detection sensors, alarm signal and doors monitoring status
Battery kit	
PMDAB905BAT	Back-up battery kit
To use DAB105 on double wing doors	
PMDAB905SYN	Synchronism cable
PMDAB805CMP	Cover middle piece, L = 950 mm, may be reduced to size
Telescopic kit for articulated movement arm fire rated*	
PMDAB805TFL	Telescopic kit long
PMDAB805TFS	Telescopic kit short
PMDAB805TKJ	Telescopic joint to be combined with DAB805TFS

Note: * Ditec DAB105 has obtained certification SP SITAC and the Test Report from the Exova Warrington for use on fire-doors
For more details, contact our Technical Sales Office

Accessories

Article Code	Description of article
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Shaft extension kit

PMDAB805SE2	Shaft extension 20 mm
PMDAB805SE5	Shaft extension 50 mm
PMDAB805SE7	Shaft extension 70 mm
PMDAB805SE5F	Shaft extension 50 mm fire version (see note on the previous page)

Function-selectors

PMCOM400MHB	Mechanical switch function-selector
PMCOM400MKB	Mechanical key function-selector

Specific accessories

PMDAB805FPI	Finger protection, for indoor use, H = 1980 mm
PMDAB805FP20	Finger protection, for outdoor use, H = 2015 mm (EN 16005)
PMDAB805FP19	Finger protection, for outdoor use, H = 1925 mm



DAB105



DAB805PSA



DAB805PLA



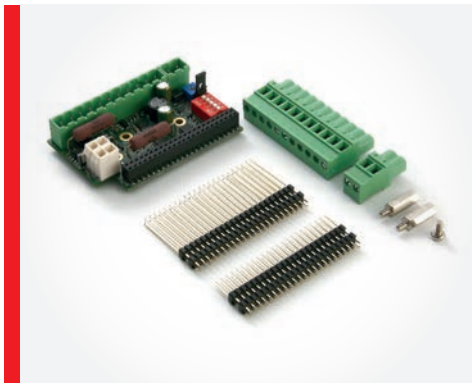
DAB805PLAT



DAB805PLAB



DAB805PSAF



DAB905ESE



DAB905ESA



DAB905SYN



DAB805CMP



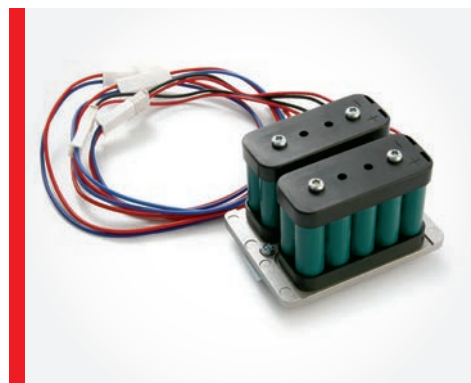
DAB805SE2 - DAB805SE5 - DAB805SE7



COM400MHB

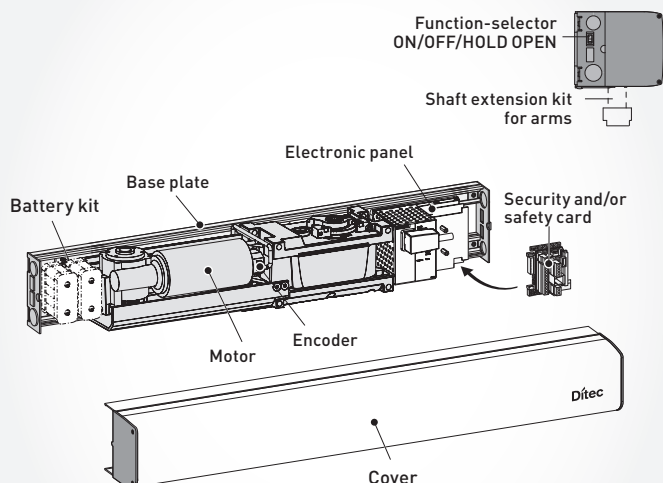


COM400MKB

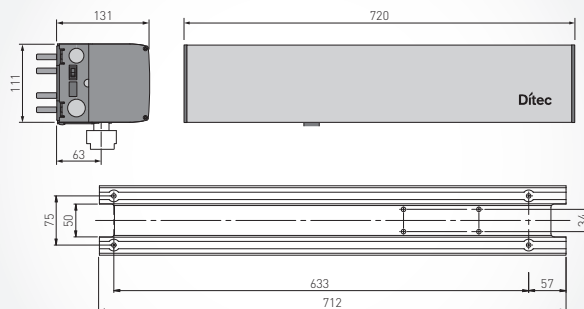


DAB905BAT

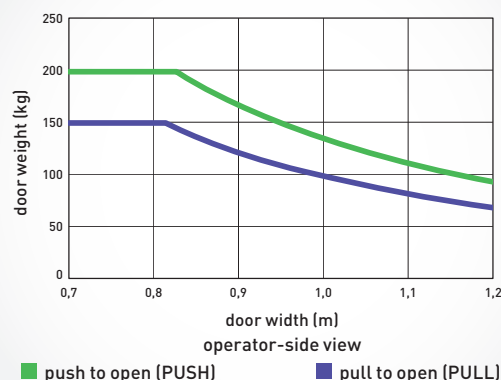
Main components



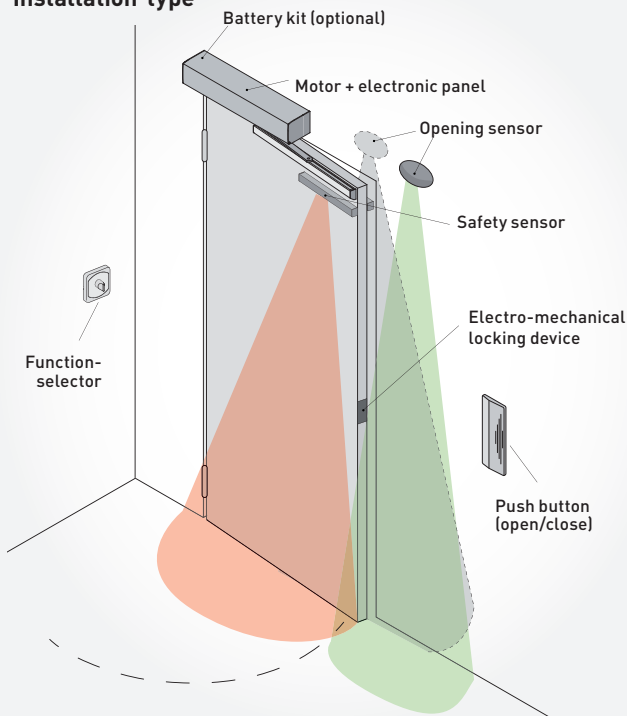
Dimension



Operation diagram



Installation type



Operational functions

Automatic mode	■
Door-closer mode	■
LOW ENERGY mode	■
Power-Assist mode	■
PUSH&GO opening	■
Integrated basic selector	■
Key selector	■ optional
Knob selector	■ optional
Synchronised double wing management	■ optional
Monitored presence sensor control (EN 16005 compliant)	■
Battery operation	■ optional
Priority opening control	■ optional
Door-open status signal output	■ optional
Operator error/alarm signal	■ optional
Can be used with fire resistant doors	■

Choice of configuration cards

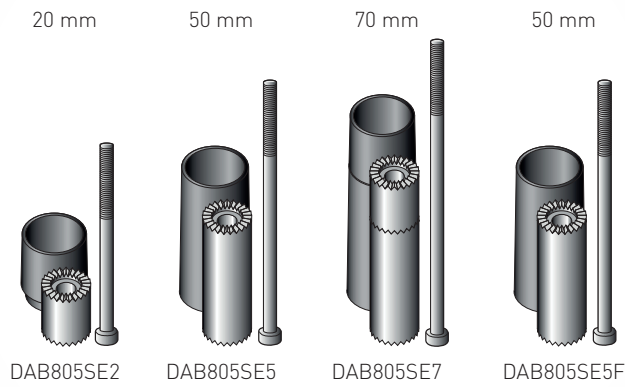
DAB905ESE CARD FUNCTIONS

- Use of the electro-mechanical lock
- Use of the COM400MHB and COM400MKB function-selectors
- Output connection for step-by-step operation
- Connection for installation of a second opening device (sensor or button)
- Priority-opening connection (to bypass night closure, for example)
- Battery use
- Use of the operating unit on fire doors

DAB905ESA CARD FUNCTIONS

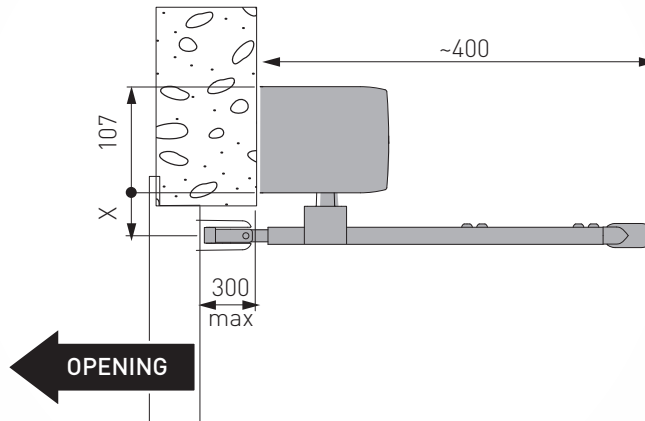
- Connection of two or more monitored REM safety sensors (in compliance with EN 16005)
- Disabling of the safety sensors in the 45-90° angle when opening (e.g. presence of a side wall)
- Output contact for managing door state (open/closed) indicator device
- Operator error/alarm signal

Shaft extension kit



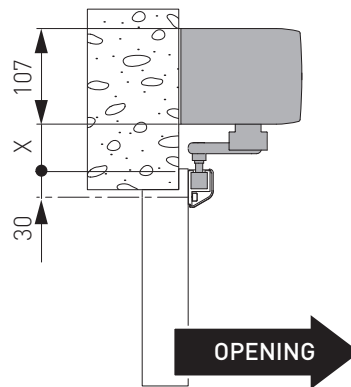
Automation with articulated movement arm DAB805PSA

	X
DAB805PSA	30
DAB805PSA DAB805SE2	50
DAB805PSA DAB805SE5	80
DAB805PSA DAB805SE7	100



Automation with sliding movement arm DAB805PLA

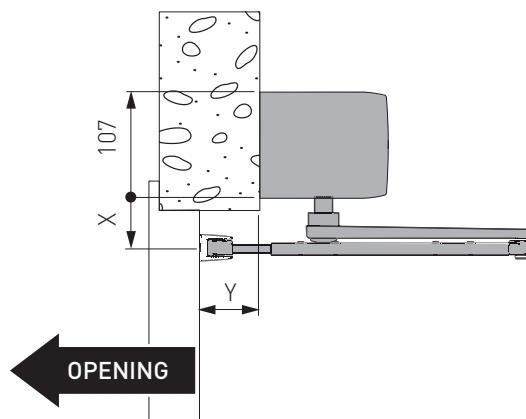
	X
DAB805PLA	50
DAB805PLA DAB805SE2	70
DAB805PLA DAB805SE5	100
DAB805PLA DAB805SE7	120



Automation with articulated movement arm DAB805PSAF

	X
DAB805PSAF	48
DAB805PSAF DAB805SE5F	98

Y	Extension
0-100	/
100-215	DAB805TFL
215-305	DAB805TFS DAB805TKJ





It features an extremely powerful gear motor that opens the door and assists in closing, supported by a spring, which allows it to automate even swing doors that weigh up to 400 kg. The complete electronic panel means the parameters can easily be managed.



QUALITY AND PERFORMANCE

- Maximum capacity of 400 kg, to cover all requirements in all environments
- Suitable for heavy duty applications and intensive use, tested for 1.000.000 cycles
- Spring + motor solution to ensure perfect closing



SAFE AND RELIABLE

- External LED for monitoring status
- Battery kit for use during power cuts
- ESE and ESA cards for the electro-mechanical lock, motion detectors and alarms



VERSATILE

- Single actuator for both functions
- PUSH&GO, Servo-assisted, LOW ENERGY
- 16 groups of pre-set parameters
- PULL & PUSH bar also for fire doors
- Switching power supply allows DAB205 to be used with 230 Vac and 120 Vac power supply

Basic automation, without movement arms

Article Code	Description of article
PMDAB205	Basic operator

Movement arms

Article Code	Description of article
PMDAB805PSA2	Articulated movement arm (also for fire doors)*
PMDAB805PLA2	Sliding movement arm (also for fire doors)*
PMKPAB	Kit for cable passage
PMFBA	Stop for articulated arm

Accessories

Article Code	Description of article
Additional setting cards	
PMDAB905ESE	Extension unit for management of: electro-mechanical lock, function-selector, batteries, fire mode
PMDAB905ESA	Extension unit for management of: detection sensors, alarm signal and doors monitoring status

Battery kit

PMDAB905BAT2	Battery kit
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To use DAB205 on double wing doors

PMDAB905SYN	Synchronism cable, L = 3000 mm
PMDAB805CMP	Cover middle piece, L = 950 mm, may be reduced to size

Telescopic kit for articulated movement arm fire rated

PMDAB805TFL	Telescopic kit long
PMDAB805TFS	Telescopic kirt short
PMDAB805TKJ	Telescopic joint to be combined with DAB805TFS

Note: * Ditec DAB205 has obtained certification SP SITAC for use on fire-doors
For more details, contact our Technical Sales Office

Accessories

Article Code	Description of article
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Shaft extension kit

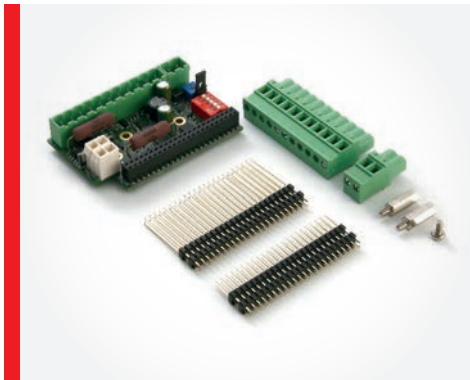
PMDAB805SE22	Shaft extension 20 mm
PMDAB805SE52	Shaft extension 50 mm
PMDAB805SE72	Shaft extension 70 mm

Function-selectors

PMCOM400MHB	Mechanical switch function-selector
PMCOM400MKB	Mechanical key function-selector

Specific accessories

PMDAB905MSW	Micro-switch kit to power electro-mechanical lock in case of mains outage (recommended for fire-door applications)
PMDAB905LED	LED alarm signal kit
PMDAB905RSD	RESET Kit and fire-alarm indication
PMDAB805FPI	Finger protection, for indoor use, H = 1980 mm
PMDAB805FP20	Finger protection, for outdoor use, H = 2015 mm (EN 16005)
PMDAB805FP19	Finger protection, for outdoor use, H = 1925 mm



DAB905ESE



DAB905ESA



DAB805CMP



DAB905SYN

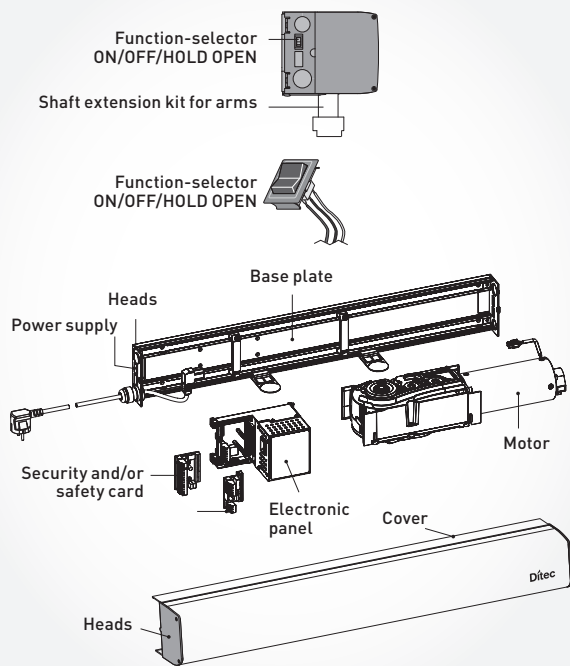


COM400MHB

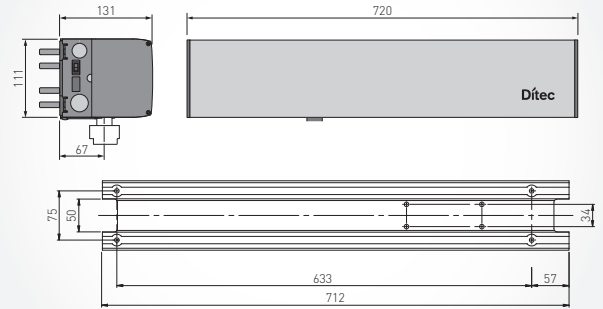


COM400MKB

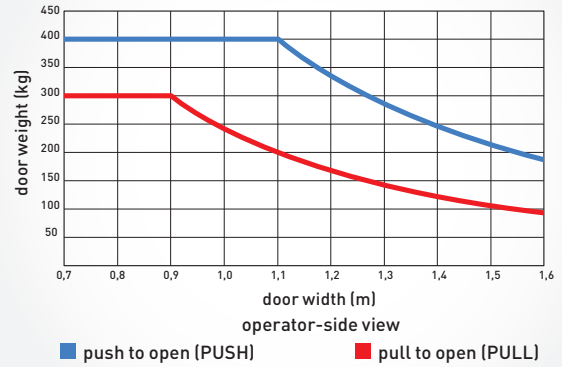
Main components



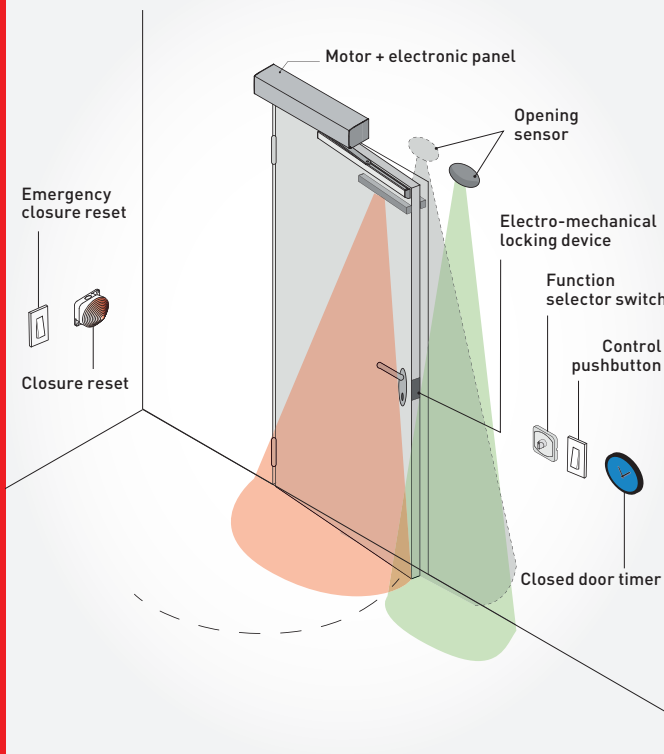
Dimension



Operation diagram



Installation type



Operational functions

Automatic mode	■
Door-closer mode	■
LOW ENERGY mode	■
Power-Assist mode	■
PUSH&GO opening	■
Integrated basic selector	■
Key selector	■ optional
Knob selector	■ optional
Synchronised double wing management	■ optional
Advanced partial opening management on double wing	■ optional
Monitored presence sensor control (EN 16005 compliant)	■
Battery operation	■ optional
Priority opening control	■ optional
Door-open status signal output	■ optional
Operator error/alarm signal	■ optional
Error indication external LED	■ optional
External fire alarm indicator and reset button	■ optional
Can be used with fire resistant doors	■

Choice of configuration cards

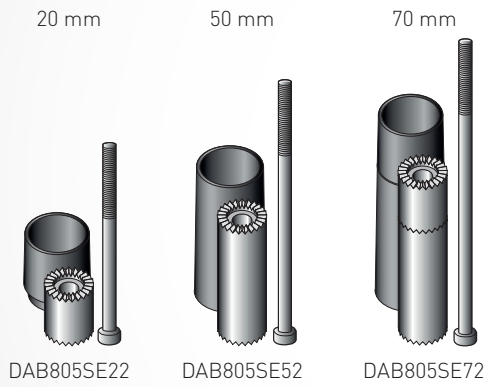
DAB905ESE CARD FUNCTIONS

- Use of the electro-mechanical lock
- Use of the COM400MHB and COM400MKB function-selectors
- Output connection for step-by-step operation
- Connection for installation of a second opening device (sensor or button)
- Priority-opening connection (to bypass night closure, for example)
- Battery use
- Use of the operating unit on fire doors

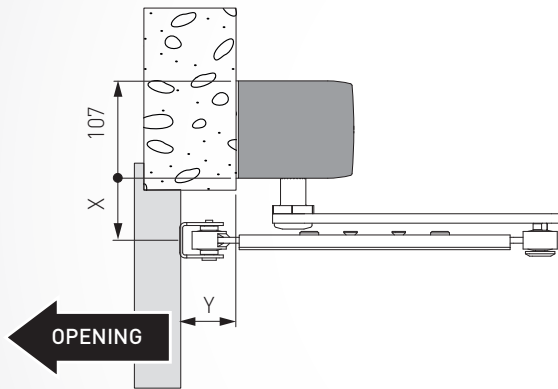
DAB905ESA CARD FUNCTIONS

- Connection of two or more monitored REM safety sensors (in compliance with EN 16005)
- Disabling of the safety sensors in the 45-90° angle when opening (e.g. presence of a side wall)
- Output contact for managing door state (open/closed) indicator device
- Operator error/alarm signal

Shaft extension kit



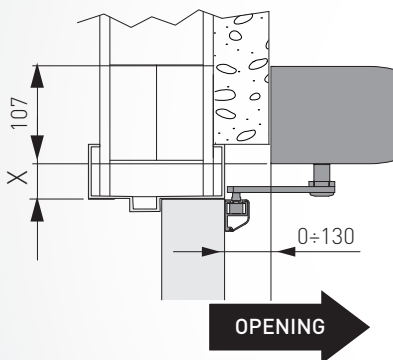
Automation with articulated movement arm DAB805PSA2



X	Shaft extension
48	/
68	DAB805SE22
98	DAB805SE52
118	DAB805SE72

Y	Joint arm	
0-100	/	
100-215	DAB805TFL	
215-305	DAB805TFS DAB805TKJ	

Automation with sliding movement arm DAB805PLA2



X	Shaft extension
46	/
66	DAB805SE22
96	DAB805SE52
116	DAB805SE72



The automation for swing doors Ditec DAB305 offers state-of-the art technology matched with contemporary design. A total height of just 70 mm, a maximum capacity up to 450 kg and a wide range of operational functions make the DAB305 the ideal operator for any application.



INNOVATIVE DESIGN

- Elegantly stylish and also extraordinarily practical, with a total height of just 70 mm
- Superior energy efficiency with a switching power supply unit
- 21 sets of pre-configured parameters



VERSATILE

- PUSH&GO, LOW ENERGY and Servo-Assistance
- DOUBLE ACTION, with manual door opening for use in escape routes
- INVERSE
- Usable for fire doors



POWERFUL

- Maximum capacity up to 450 kg
- Closing force EN 4 - 7 for version with articulated arm and EN 4 - 6 for version with sliding arm

Basic automation

Article Code	Description of article
PMDAB305	Operator with pre-installed ESE and ESA cards, pull arm extension 20 mm (DAB805PAE), adapter for DAB305 pull arm in case of installation height under 20 mm (DAB805LA), shaft extension 20 mm (DAB80522) and LONG extension kit for telescopic/articulated arm (DAB805TFL) [arm needs to be ordered separately]
PMDAB305PS	Operator with pre-installed ESE and ESA cards, articulated movement arm (DABPSA3), shaft extension 20 mm (DAB80522) and LONG extension kit for telescopic/articulated arm (DAB805TFL)
PMDAB305PL	Operator with pre-installed ESE and ESA cards, pull/sliding movement arm (DABPLA3), pull arm extension 20 mm (DAB805PAE), adapter for DAB305 pull/sliding arm in case of installation height under 20 mm (DAB805LA)

Movement arms

Article Code	Description of article
PMDAB805PSA3	Articulated movement arm (also for fire doors)
PMDAB805PLA3	Sliding movement arm (also for fire doors), L = 400 mm, sliding track 690 mm
PMDAB805PLA4	Sliding movement arm for heavy duty doors, L = 600 mm, sliding track 890 mm
PMDAB805PLA5	Sliding movement arm for narrow doors, L = 220 mm, sliding track 380 mm
PMDAB805DAR	Double acting kit DIN right
PMDAB805DAL	Double acting kit DIN left

Accessories

Article Code Description of article

Battery kit

PMDAB905BAT3 Battery kit

To use DAB305 on double wing doors

PMDAB905SYN Synchronism cable, L = 3000 mm

PMDAB805C37 Cover, L = 3700 mm

PMDAB805CMP1 Cover middle piece, L = 950 mm, including middle caps and wall brackets

PMDAB805COU Mechanical coordination device

PMDAB805ROD Rod kit for coordination device (3 bars of 650 mm each)

PMDAB805EP End cap

Telescopic kit for articulated movement arm

PMDAB805TFL Telescopic kit long

PMDAB805TFS Telescopic kit short

PMDAB805TKJ Telescopic joint to be combined with DAB805TFS

Shaft extension kit

PMDAB805SE22 Shaft extension 20 mm

PMDAB805SE52 Shaft extension 50 mm

PMDAB805SE72 Shaft extension 70 mm

PMDAB805PAE Pull arm extension 20 mm

PMDAB805LA Adapter for pull and push arms in case of installation height under 20 mm

Spacer pull arm

PMDAB805PLS Spacer for sliding track 710x40x60 mm (for PULL arm)

PMDAB805PLS2 Spacer for sliding track 700x20x10 mm (for PULL arm)

Function-selectors

PMCOM400MHB Mechanical switch function-selector

PMCOM400MKB Mechanical key function-selector

Specific accessories

PMDAB905FIK Fire kit containing a smoke detector ORS142W, a reset & indication device, closing break kit and three pole connection cable harness

PMDAB905SD Smoke detector ORS142W kit

PMDAB905SD1 Smoke detector ORS142

PMDAB805SSD1 Support for smoke detector DAB905SD1

PMDAB905CBK Closing break kit

PMDAB905RGP 2 poles relay for general purpose

PMDAB905EB Emergency push-button

PMDAB805MP Mounting plate (for fire doors)

PMDAB805MPM Mounting plate middle piece (for fire doors)

PMDAB805SCI Sensor cable inlet

PMDAB805FPI Finger protection, for indoor use, H = 1980 mm

PMDAB805FP20 Finger protection, for outdoor use, H = 2015 mm (EN 16005)

PMDAB805FP19 Finger protection, for outdoor use, H = 1925 mm



DAB305



DAB305PS



DAB305PL



DAB805PSA3



DAB805PLA3



DAB805PLA4



DAB805PLA5



DAB905BAT3



DAB805C37



DAB805COU



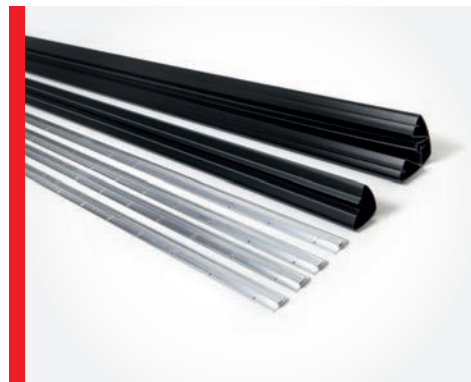
DAB805ROD



DAB805PAE



COM400MHB - COM400MKB



DAB805FP20

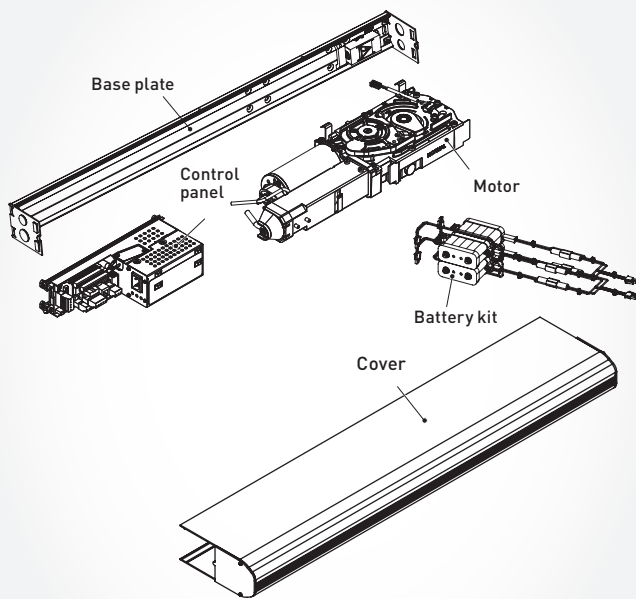


DAB905FIK

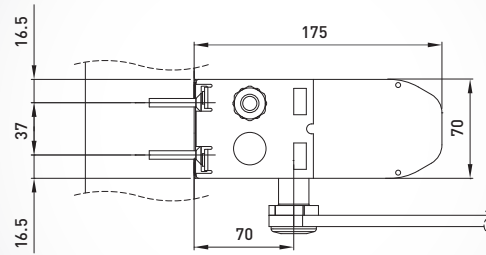


DAB905SD1

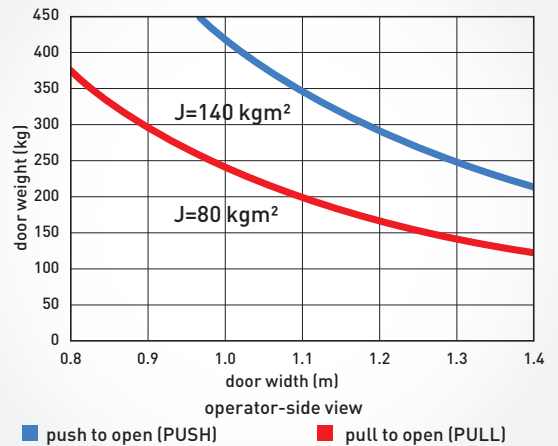
Main components



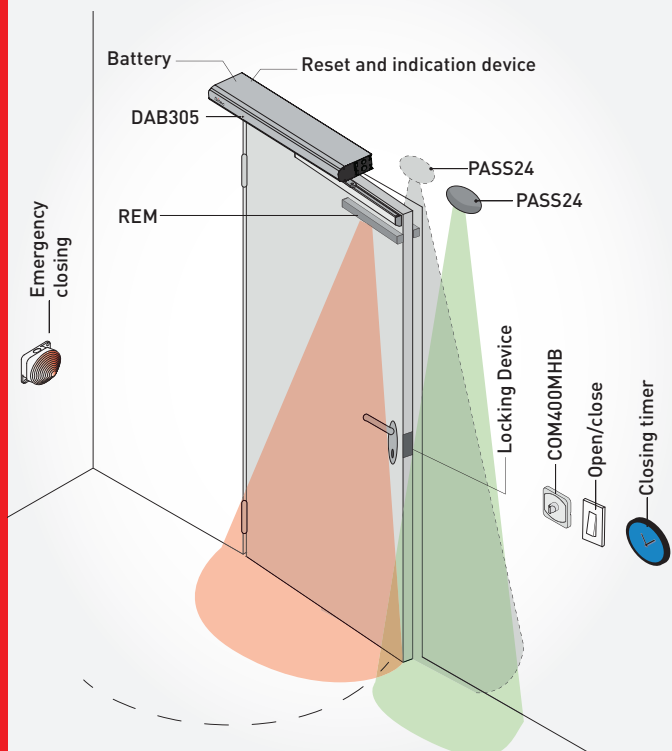
Dimensions



Operation diagram



Installation type



Operational functions

ESE configuration card	■ (electro-mechanical lock, function-selector, fire mode)
ESA configuration card	■ (sensors, alarm signal and doors monitoring status)
Integrated basic selector	■
Automatic mode	■
Door-closer mode	■
LOW ENERGY mode	■
Power-Assist mode	■
PUSH&GO opening	■
INVERSE mode	■
Double acting mode	■ optional
Battery operation	■ optional
Synchronised double wing management	■ optional
Fire rated	■ DIN 18263-4, EN 1158, EN16005
Fire rated Kit	■ optional
Coordination unit	■ optional



ACCESSORIES

Slider Configuration Tool

Function-selectors

Ditec Door Connect

Sensors

Infra-red barriers

Control devices

Photocells and interlock

Slider Configuration Tool



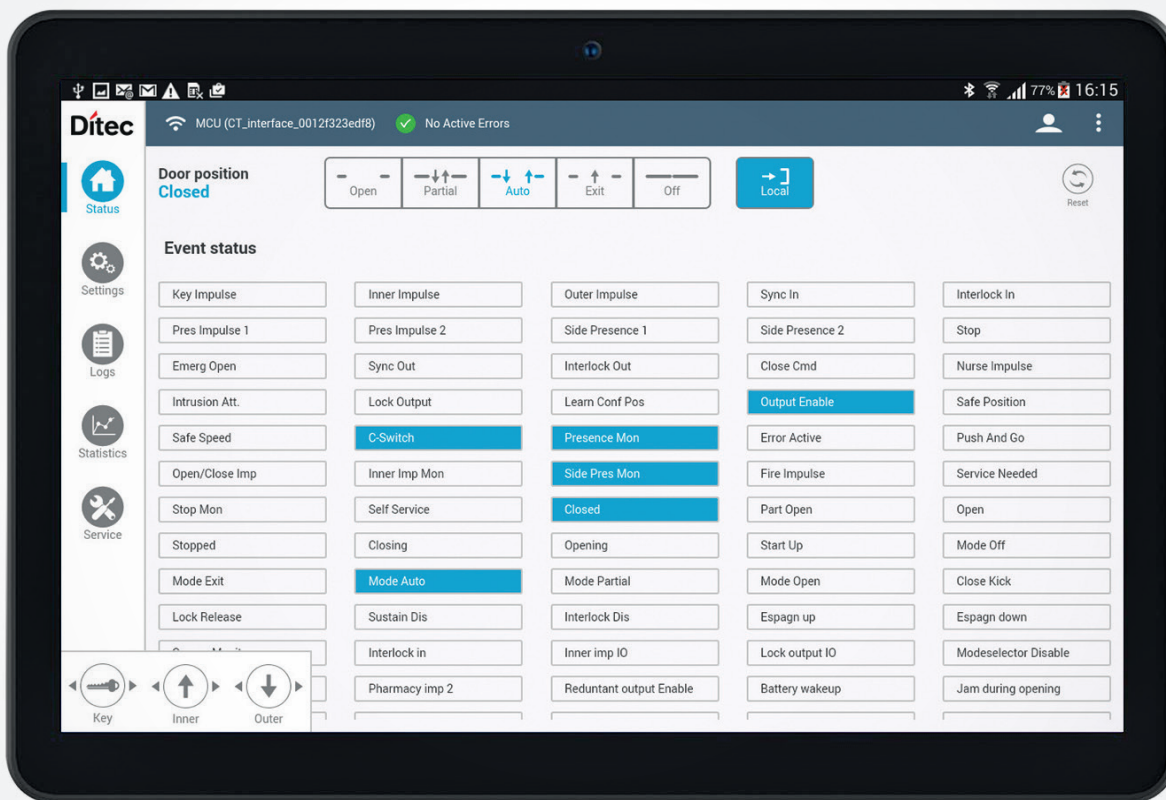
An **advanced software (DAS900CT) for installers**, allowing the **complete configuration** and management of DAS200 doors from a tablet or handheld device (requires DAS900CTI interface). This software offers the installer the following features:

- Usage of 5 controller functions, including RESET
- Configure all parameters of the control panel
- Download and upload preset parameter configurations
- Manage events and errors log
- Manage complete statistics log
- Manage and schedule maintenance



Configuration accessories - Configuration Tool

Article Code	Article Description
PMDAS900CT	Configuration Tool, Configuration App for tablet (only for Android devices)
PMDAS900CTI	Bluetooth® interface for direct connection between the Control Panel and the Slider Configuration Tool



Function-selectors

Programming units for automatic doors



The range of Ditec COM selector switches represents the perfect choice to control the operating modes of one or more automation systems. The wide selection of types makes it possible to find the perfect solution for every environment, all in perfect safety: from the mechanical rotary solution to an advanced electronic selector switch for a more elegant and technological solution.

Easy installation and use, as they can be fitted to the wall (against flat surface or recessed), and are easily adapted to the principal standard switch and power-socket formats.

Rotary function-selectors

Function-selectors for setting the various operating modes of automatic doors. Available with handle operation or key operation. The control piece is a 6-position rotary electro-mechanical switch

Article Code	Description of article
PMCOMH	Rotary function-selector with handle operation (for VALOR HS-HH and SPRINT)
PMCOMK	Rotary function-selector with key operation (for VALOR HS-HH and SPRINT)
PMCOM400MHB	Mechanical function-selector with handle operation (for DAB)
PMCOM400MKB	Mechanical function-selector with key operation (for DAB)

Digital function-selectors

COME is an electronic digital switch created to set the operating modes of electronic panels. It consists of a unit featuring a micro-controller, with front keyboard and indicator LEDs.

It is designed for fitting to a wall, on flat surfaces or recessed, and its size is compatible with the square standard for switches and power sockets. Operating options of COME:

- is able to set up to 4 doors in the same mode
- two COME devices can be connected on the same automation
- the COMEL device is available (see accessories): a practical and useful accessory for key locking the COME function-selector, coordinated in the same finish

Article Code	Description of article
PMCOME	Electronic digital switch (for VALOR HS-HH)
PMCOMED	Electronic switch with square box (for VALOR HS-HH)
PMCOMER	Electronic switch complete with redundant lock key (compulsory) - without box (for VALOR HS-HH)
PMMSAPZ	Selector for opening by key from outside
PMCOM500ES	Digital electronic function-selector (for DAS107PLUS and DAS200)
PMCOM500ER	Digital electronic function-selector with security key - without box (in combination with DAS902MP) (for DAS200)

Mechanical function-selectors

Article Code	Article Description
PMCOM501HCV	Mechanical function-selector with handle operation (for OLLYC, CIVIK)
PMCOM501MKS	Mechanical function-selector with key operation (for DAS107PLUS and DAS200)
PMCOM501MHS	Mechanical function-selector with handle operation (for DAS107PLUS and DAS200)

Electronic function-selectors

Article Code	Description of article
PMCOM501ES	Electronic capacitive touch function-selector with Bluetooth® module and RJ45 connector for interface Configuration Tool DAS900CTI (for DAS200)
PMCOM502ES	Electronic capacitive touch function-selector with Bluetooth® module (for DAS200)
PMCOM502ER	Electronic function-selector with capacitive touch push buttons, protection key (Euro cylinder) and Bluetooth® module (for DAS200)

Accessories

Article Code	Description of article
PMCOMEL	Key locking device for COME function-selector
PMCOMAD	External square box for COMED
PMCOMAR	Double external square box for COMER and COM500ER
PMCOMA	External rectangular box type 503 for COMH/K

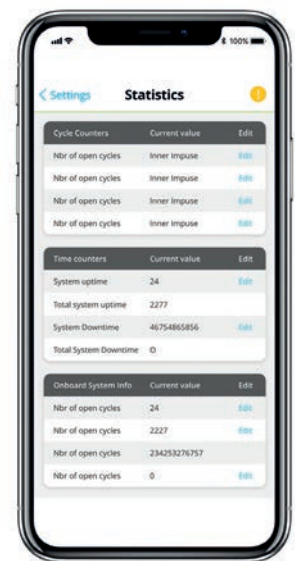
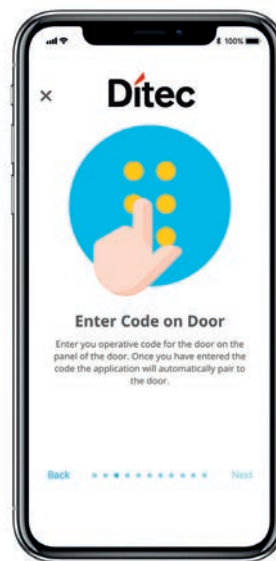
DITEC DOOR CONNECT



Free App available on Play Store and App Store.

For use with latest generation Bluetooth®-equipped COM501 and COM502 function-selectors, offering the end user access to the following features:

- 5 functions, including RESET
- Download and send **events** and **statistics log**
- Download and send **error log**
- Add and manage **App users** (up to 7)
- Manage setting of **partial opening** and **timer-controlled automatic closing parameters**
- **People count and flow control management**





COM501ES



COM502ES



COM502ER



COM501HCV



COMER



COMAR



MSAPZ



COM400MHB - COM400MKB



COM501MKS - COM501MHS



COM500ER - COM500ES



COMH - COMK



COME

Sensors

Infra-red and microwaves systems



In many applications, door operation requires a volumetric and/or motion sensor, to allow for people to move through the doors easily: in these situations, Ditec sensors are the right choice for every need.

The wide array of options makes it possible to meet every requirement, from infrared volumetric sensors to microwave technology motion sensors.

The range of Ditec sensors also includes a wide range of products that comply with EN 16005 regulations, both with IR technology (PASAA2 sensor) and with dual technology, for standard openings (PAS024AS and PAS024ASW sensors) and specifically for emergency exits (PAS024ADT and PAS024AMR).

ACTIVE INFRA-RED - Selective with person detection function

Active sensor able to monitor the approach and/or the static presence of a person, with the possibility of regulating the width and the depth of the detection area as well as levels of use and operating frequency

Article Code	Description of article
PMPASA	Movement and/or person detection sensor 12÷30 Vdc
PMPAS005APIH	*Infrared active detection sensor for safe opening and closing operations of sliding doors to be fitted on board of VALOR HS-HH automation, 12÷24 Vdc - IP 44
PMPASAA2	*Door opening and safety detection sensor for sliding doors and people detection sensor, 12÷30 Vdc - IP 54
PMPAS005AP	*Infrared active detection sensor for safe opening and closing operations of sliding doors, 12÷30 Vdc - IP 54

*compliant with the EN 16005 standard

PASSIVE INFRA-RED - Versatile, can be used on all types of automatic doors

PASP - a model featuring simple but effective zoom adjustment of the detection range.

Active (N.O. contact) / passive (N.C. contact) switching

Article Code	Description of article
PMPASP	Two-way sensor - 12÷24 Vdc

DUAL TECHNOLOGY - Active infrared 24 GHz microwaves (EN 16005)

Article Code	Description of article
PMPAS024AS	*Dual technology sensor, 24 GHz two-way microwaves and active infrared, dual function, for safe operation of sliding doors, 12÷30 Vdc - IP 54
PMPAS024ASW	*Dual technology sensor, 24 GHz one-way microwaves and active infrared, dual function, for safe operation of sliding doors, 12÷30 Vdc - IP 54
PMPAS024ADT	*Dual technology self testing sensor, 24 GHz microwaves and active infrared, dual function, for redundant sliding doors safe operation, 12÷30 Vdc - IP 54 (for DAS200RG e DAS200TRG)
PMPAS024AMR	*Dual technology self testing sensor, with LCD menu, 24 GHz microwaves and active infrared, dual function, for redundant sliding doors safe operation, 12÷30 Vdc - IP 54 (for DAS200RG e DAS200TRG)

*compliant with the EN 16005 standard

MICROWAVES AT 24 GHz - Ideal for quick opening on frequent-transit doors

PASM24 is a system of one (W) or two-way volumetric movement sensors able to effectively and carefully control a large transit area. The range of action of the sensors can be configured in a very flexible way by means of the precise adjustment of the emission lobes and of detection sensitivity

Article Code	Description of article
PMPASS24	Two-way sensor, 24 Vdc - IP 54
PMPASM243	Two-way sensor, 12÷30 Vdc - IP 54
PMPASM24WA	One-way sensor, 12÷24 Vdc - IP 54

LASER - Maximum reliability for swing doors

DL is a LASER based technology safety sensor (time-of-flight presence sensor), ideal solution for swing doors. It generates 170 detection points to provide complete end-user protection. Easy to install, just one sensor is sufficient to cover the entire face of a single door wing including the hinge area, in addition to the shearing area

Article Code	Description of article
PMDLR1L	Swing door laser presence and safety sensor on left hand hinge side, 12÷24 Vdc - IP 54
PMDLR1R	Swing door laser presence and safety sensor on right hand hinge side, 12÷24 Vdc - IP 54
PMDLR02	Pair of swing door laser presence and safety sensors on left and right hand hinge sides, 12÷24 Vdc - IP 54

ACCESSORIES

Article Code	Description of article
PMPASBRA	Rain accessory for the PAS024AS, PAS024ASW products
PMPASBBA	Black bracket accessory for the PAS024AS, PAS024ASW products
PMBPASB	Black recessed box for the PAS005AP, PAS024AS, PAS024ASW products
PMBPASBW	White recessed box for the PAS005AP, PAS024AS, PAS024ASW products
PMBPASO	Recessed box for PASAA2
PMBPASOW	White recessed box for PASAA2
PMBPASBT	Black recessed box for PAS024AMR



PASBRA + PASBBA



BPASBT



BPASB



DLR1L



PASA



PASAA2 - PAS024ADT



PASP



PAS024AMR - PAS005AP -
PAS024AS/ASW



PASM24WA



PASS24



PASM243



PAS005APIH









Area Sensors

Sensors Selection Guide



MICROWAVE SENSORS										
	PASM24WA	■	■		■					4x2 or 2x2,2
	PASM243	■	■	■						4x2 or 2x3
	PASS24	■	■	■						3,6x2,5 or 2x3,6
INFRARED SENSORS										
	PASA	■		■						3,1x1,7
	PASP	■		■						2,5x1,5
OPENING + SAFETY SENSORS										
	PAS024AMR	■	■	■	■	■	■	■	■	4x2 or 2x2,5
	PASAA2	■		■	■	■	■	■		3,8x2,6
	PAS024AS	■	■	■		■	■			4x2 or 2x2,5
	PAS024ASW	■	■	■	■	■	■			4x2 or 2x2,5
	PAS024ADT	■	■	■	■	■	■	■	■	4x2 or 2x2,5
SAFETY SENSORS										
	PAS005APIH					■	■			
	PAS005AP					■	■			
	REM90						■			
	REM110						■			
LASER SENSORS										
	DLR02						■			
	DLR1L						■			
	DLR1R						■			

ICON KEY




 Control sensor for pedestrian entrances (chemists, offices, shops)	 Control sensor for pedestrian entrances and trolleys (supermarkets, shopping centres)	 Two-way sensor	 One-way sensor
 Detection sensor. Used as a safety accessory	 Detection sensor. Used as a complaint safety accessory. TÜV certified according to EN 16005	 Used as an indoor sensor on redundant automations for emergency exits	 Maximum detection area (width x depth)

Area Sensors



Sensors Selection Guide







MICROWAVE SENSORS

	PASM24WA				■	40 mA	■
	PASM243				■	70 mA	
	PASS24				■	60 mA	




INFRARED SENSORS

	PASA		■			50 mA	
	PASP		■		■	15 mA	


OPENING + SAFETY SENSORS

	PAS024AMR					100 mA	■
	PASAA2		■			80 mA	
	PAS024AS					70 mA	
	PAS024ASW					70 mA	■
	PAS024ADT					100 mA	■

SAFETY SENSORS

	PAS005APIH	■				50 mA	
	PAS005AP					50 mA	
	REM90				■	70 mA	
	REM110				■	130 mA	

LASER SENSORS

	DLR02				■	60 + 60 mA	
	DLR1L				■	60 mA	
	DLR1R				■	60 mA	

ICON KEY



Sensor built into the cover



Used where a detection area with reduced depth is required



For installation on swing wing



Can also be fixed to the ceiling



Maximum consumption



Energy saving for heating/conditioning systems

Active infra-red barriers



The REM are active volumetric barriers for protecting and/or detecting people and objects.

Because of their specific detection features, they are especially suitable for use on automatic swing doors.

Active infra-red light detection sensors

One or more beams of infra-red light are emitted from the device. When these reflect on an obstacle in the detection area, the output contact is triggered.

Sensitivity is practically independent of the colour and structure of the object surface.

The range and angle of the detection beams are adjustable to adapt to every installation situation

Article Code	Description of article
PM REM90	Single-beam detection sensor in enclosure L = 900 mm
PM REM110	Double-beam detection sensor in enclosure L = 1100 mm

Operating mode

The REM sensors operate on the principle of suppression of the background.

The background, which is beyond the range of the device, is "perceived" but ignored.

To trigger the sensor, a signal is required, reflected off an object within the set detection range.

The sensor can be fitted moving or fixed, with protection and safety functions.

Ideal use

Detection sensor ideal for small environments where a restricted detection range is required (kitchen/dining room area in hotels, restaurants, etc.).

Anti-impact protection on swing doors.

Anti-crush and anti-shearing protection on sliding doors.



REM90



REM110



Together with its wide range of sensors, Ditec offers the possibility to control its automation systems, both for swing and sliding doors, via other methods such as buttons, proximity sensors and RFID cards for selective access control.

Push-buttons and devices

Article Code	Description of article
PMPID24	Touchless proximity sensor
PMAXK5M	Key-operated selector switch on wall with European cylinder. Burglar-proof with metal body. Double electrical contact with double microswitch
PM0PSC	Rip button
PM0PSE	Red emergency button
PM0PSEV	Green emergency pushbutton with key operated release device
PM0PUP	Mechanically operated push-button
PMPFP1	Elbow shaped rectangular push-button
PMPFP2	Stainless steel elbow shaped rectangular push-button
PMPDP2	Open door square button for disabled users. Recessed assembled on aluminium profiles

Special accessories for radio control systems

Article Code	Description of article
PMBIXR2	Two-channel 12–24 Vdc receiver. Supplied complete with removable BIXMR2 memory module. Integrated 433 MHz frequency
PMBIXLR42	Four-channel receiver. 12-24 Vdc, up to 1000 codes stored, operation of the exits can be configured through dip-switch (3 impulsive/step-step exits + 1 impulsive/timed exit). Supplied complete with memory module and BIXMR type adapter
PMZEN4	4 function rolling code transmitter for 433 MHz. Colour: black
PMZENSC	Car clip for ZEN4 transmitters
PMCONT1	Board-holding base with enclosure for fitting inside or outside

Digital combination systems

Article Code	Description of article
PMAXK4	Digital radio keypad with 4 customizable numeric codes. Version 433.92 MHz. Powered by 9 Vdc battery or by connection to 24 Vdc electronic control panel. Configurable via keys. Compatible with Ditec radio protocols: fixed code, rolling code, Encrypted AES-128 bit, PROTECTED Mode



PID24



AXK5M



ZEN4



OPSE



OPUP



AXK4



PFP1 - PFP2



OPSEV

Photocells and interlock

The broadest range of products



Each automation system must be completed with command, control and safety devices compatible with all the system component parts and applicable regulations.

Ditec distributes top-quality products and accessories able to cater for all requirements.

Compatible only with Ditec OLLY C, CIVIK, SPRINT, VALOR HH, VALOR HS.

Photocells

Article Code	Description of article
PM0CEL1	Point to point operation - Range 7 m 1 amplifier + 1 projector + 1 receiver (in enclosure)
PM0CEL1S	Point to point operation - Range 7 m 1 connection amplifier + 1 projector + 1 receiver
PM0CELPR	Point to point operation - Range 7 m 1 projector + 1 receiver

Access control devices

Article Code	Description of article
PM0IB91	Logic interlock for bush



OCEL1



OCELPR



FRAMES SYSTEMS

Ditec PAMAC in glass

Ditec commercial frame system

Ditec PAM16

Ditec PAM30

Ditec ALU48

Ditec PAMAC

Profiles, accessories and seals dedicated for making glass wings



Ditec profile and seal system allows commercial sliding doors to be made up featuring perfectly built-in and matched components. Once commissioned, the fixed and moving frames are aesthetically pleasing and ensure a very high standard of safety for people who use them, as required by current European standards. Thanks to their long development history, PAM lines allow glass entrances to be built locally, with ease and optimal results, suitable for easy installation of Ditec automations.

PAMAC

The PAMAC series is an essential system which allows prestigious entrances to be created by reducing the door frames in preference to more prominent see-through parts.

The system is specifically designed for 1 wing, 2 wings or telescopic automatic sliding doors, even when featuring fanlights.

Distinctive features of the system

PAMAC, designed to be compatible with current and future automations, consists of a set of reduced size, sturdy mechanical components.

Able to hold up to 12 mm thick glass, it is supplied in the mill finish or anodised aluminium (EURAS C0) version, in pre-set lengths, as shown in the following tables.

Aesthetically pleasing

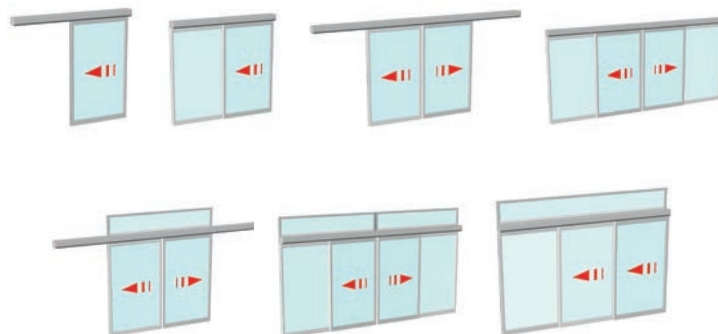
This is a very aesthetically valuable product, consisting of well matched and smooth looking components, which allows a wider glazing surface to be achieved, for better visibility.

Fittings

PAMAC is supplied with all the required manuals to make up the door frames, i.e.: system configuration charts, reference code lists, component sections and types with cutting lists; processing, drilling and assembly tables.

Notes

PAMAC cannot be used with anti-panic breakout systems.

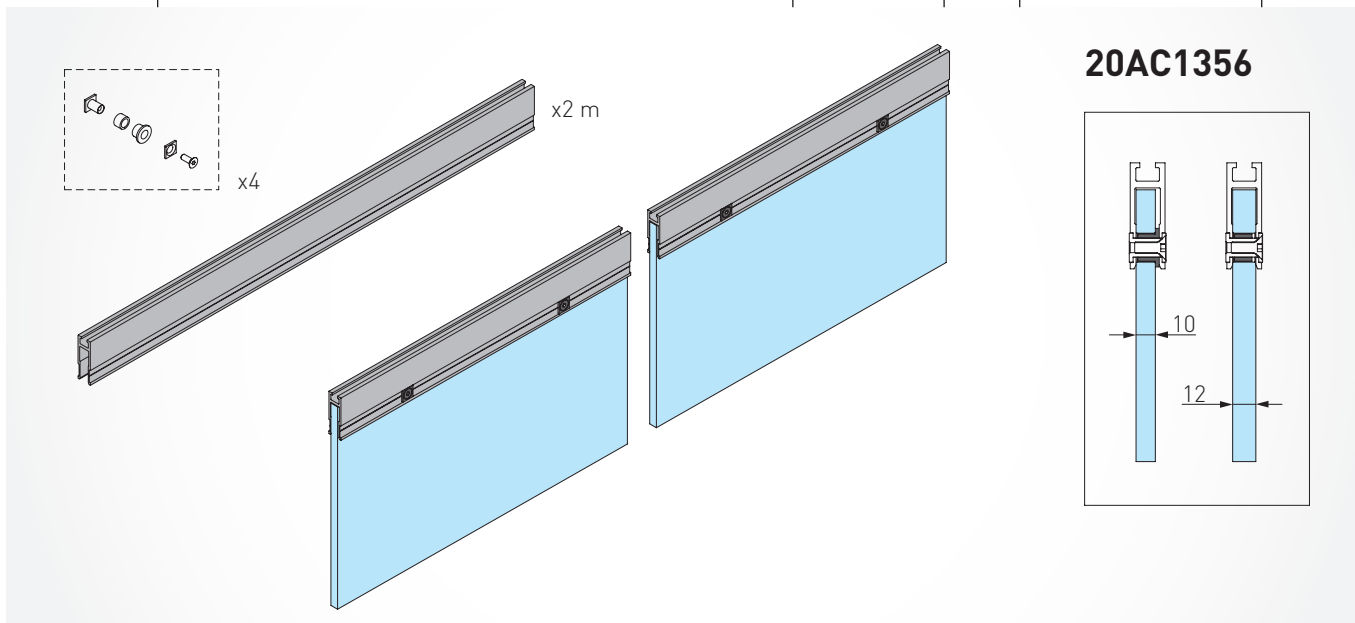


Ditec PAMAC

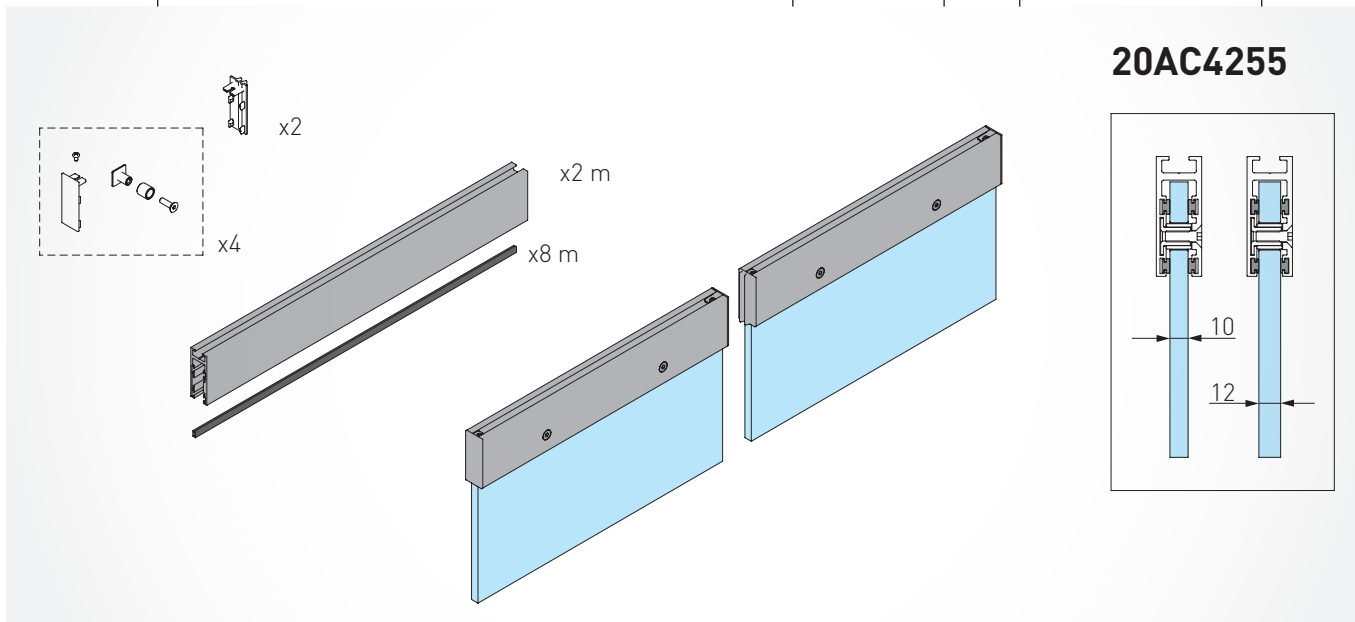
Profiles, accessories and seals dedicated for making glass wings

Aluminium systems and components for Glass Wings

Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
AC1356	MILL FINISH aluminium connection profile L = 2.000 mm for glass wing	Mill finish	2.00	PM20AC1356*	
	EURAS C0 aluminium connection profile L = 2.000 mm for glass wing	Euras C0	2.00	PM20AC1356N*	



AC4255	MILL FINISH aluminium connection profile L = 2.000 mm for glass wing	Mill finish	2.00	PM20AC4255*	
	EURAS C0 aluminium connection profile L = 2.000 mm for glass wing	Euras C0	2.00	PM20AC4255N*	



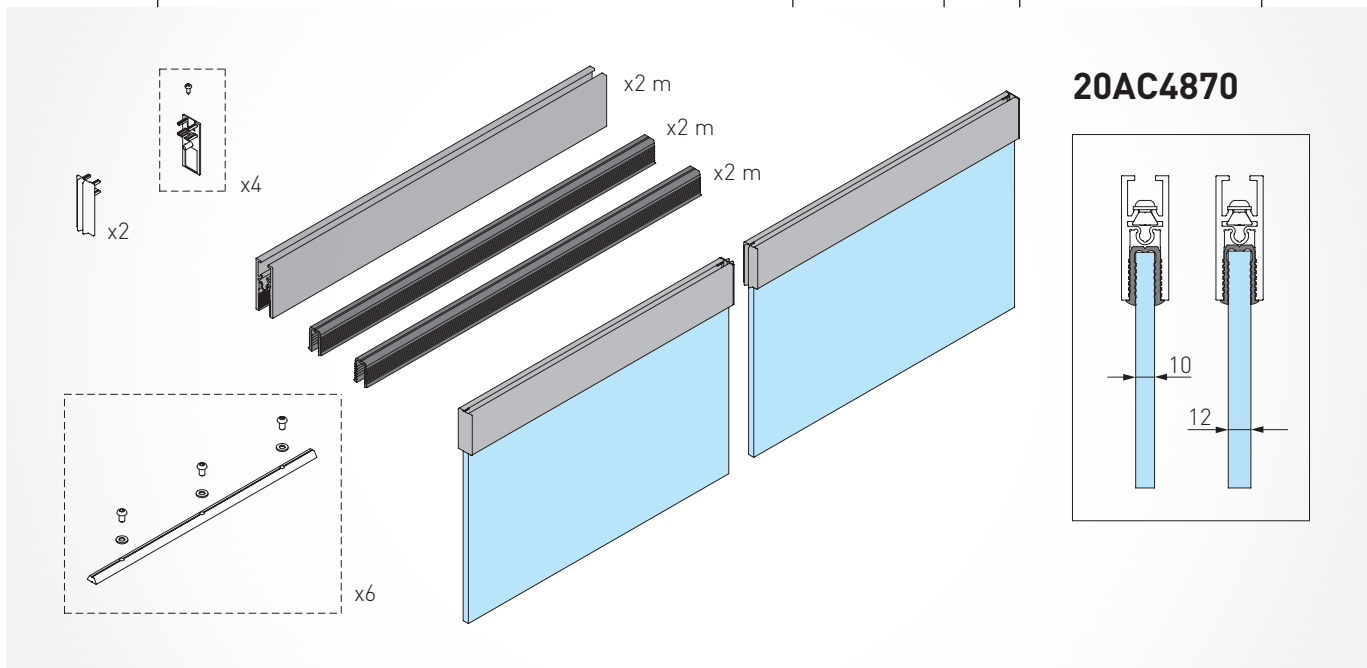
* Note: Floor runner is not included. Please refer to page 103

Ditec PAMAC

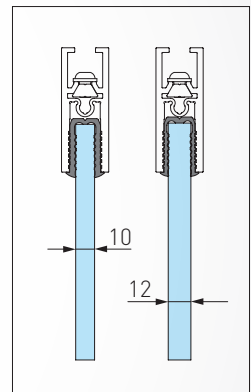
Profiles, accessories and seals dedicated for making glass wings

Aluminium systems and components for Glass Wings

Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
AC4870	MILL FINISH aluminium connection clamp profile L = 2.000 mm for glass wing	Mill finish	2.00	PM20AC4870*	
	EURAS C0 aluminium connection clamp profile L = 2.000 mm for glass wing	Euras C0	2.00	PM20AC4870N*	

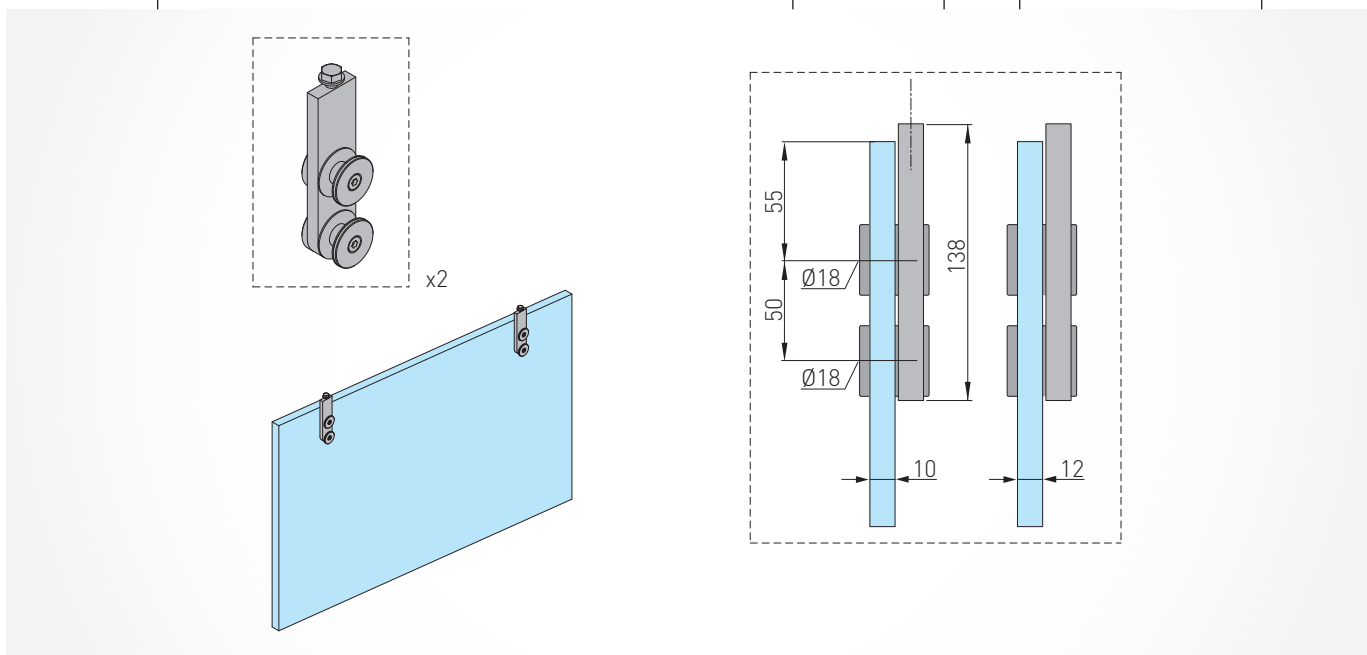


20AC4870



ACV Stainless steel technical connection kit

Stainless steel | 2.00 | **PMACV**



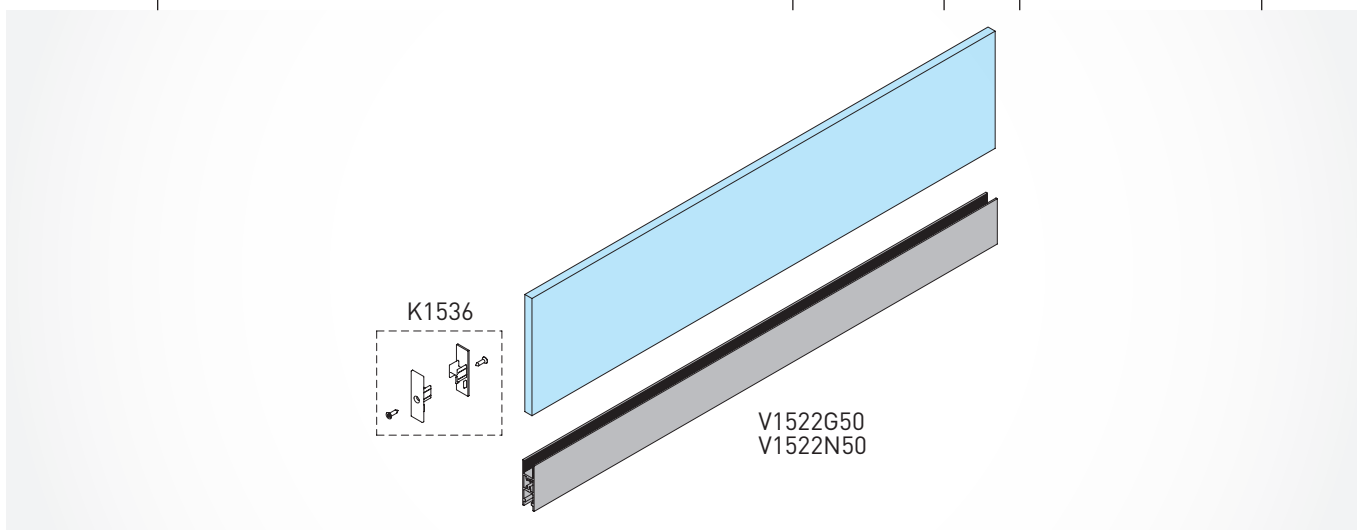
* Note: Floor runner is not included. Please refer to page 103

Ditec PAMAC

Profiles, accessories and seals dedicated for making glass wings

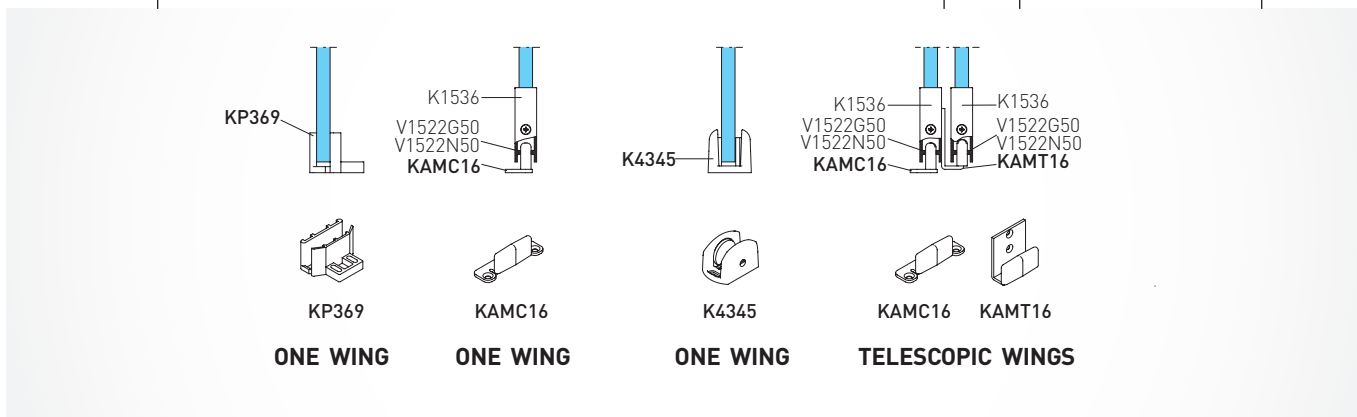
Aluminium systems and components for Glass Wings

Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
1522	Lower horizontal profile for glass bottom section	Mill finish	5.05	PMV1522G50	
	Lower horizontal profile for glass bottom section	Euras C0	5.05	PMV1522N50	




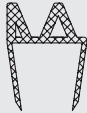
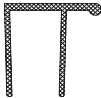
Glass Wing accessories

Drawing no.	Description	Supply quantity in pcs	Code
-	1522 bottom section profile head kit for glass wing	1	PMK1536
-	Runner for glass wings with 1522 bottom section	1	PMKAMC16
-	Glass wing guide runner	1	PMKP369
-	Adjustable guide runner for glass wings	1	PMK4345
-	Telescopic wing runner kit	1	PMKAMT16



Ditec PAMAC

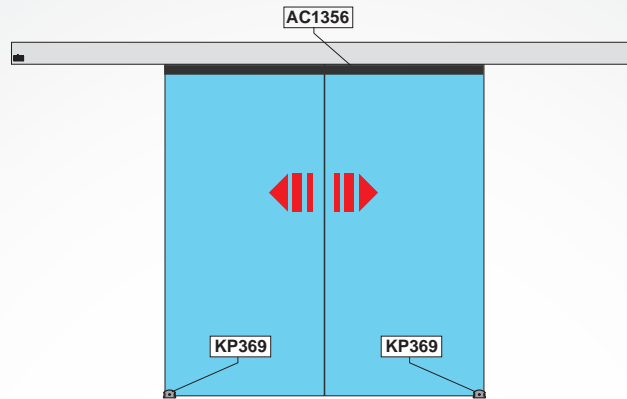
Profiles, accessories and seals dedicated for making glass wings

Glass Wing seals								
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Supply quantity in m	Code	Rod/ Roll
	P765	Central stop seal for glass wings, 10 mm thick, black		X		2.50	PMVP765V25	
	4292	Central stop seal for glass wings, 10 mm thick, see-through		X		3.00	PMVGR429230	
	P785A	Seal for glass wings, 10 et 12 mm thick, see-through	X	X		3.00	PMVGRP785A30	

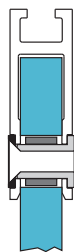
Ditec PAMAC

Examples of cross section types

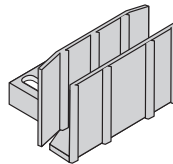
AC1356



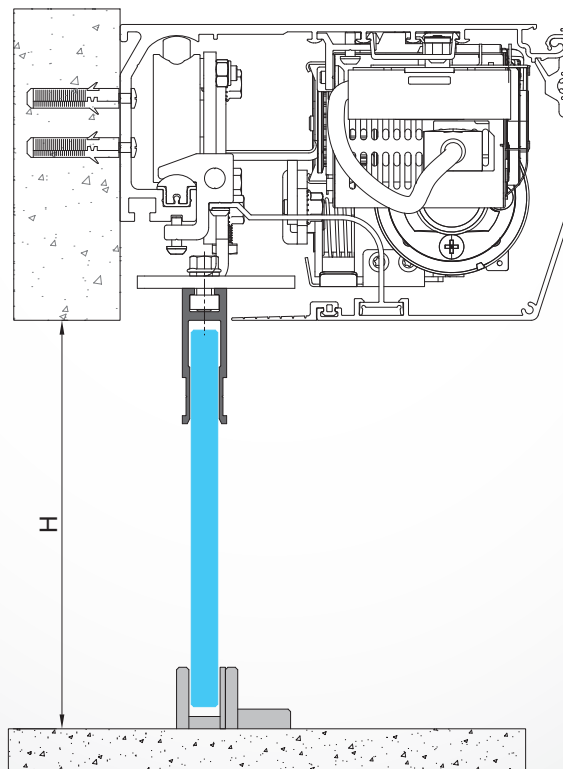
AC1356



KP369



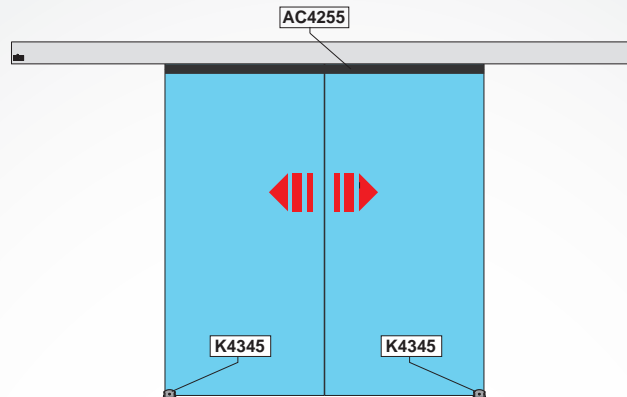
Ditec DAS200



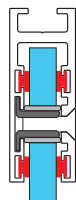
Ditec PAMAC

Examples of cross section types

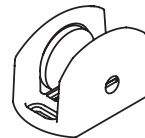
AC4255



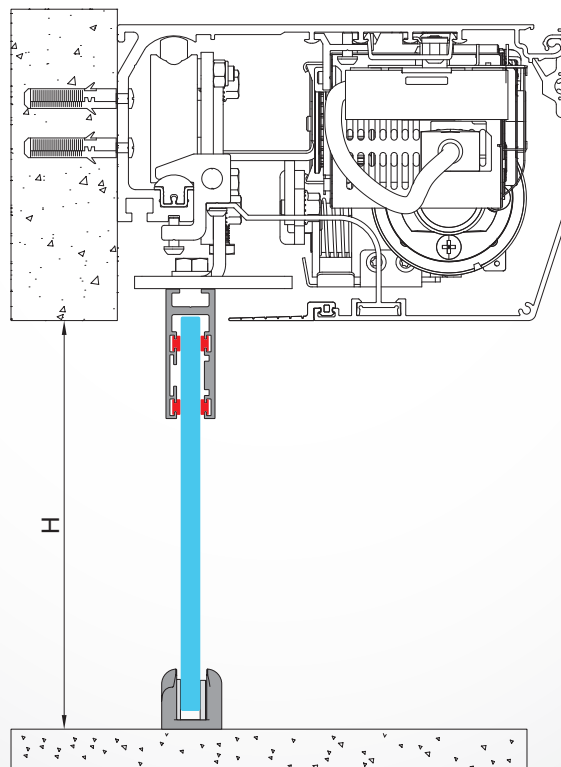
AC4255



K4345



Ditec DAS200



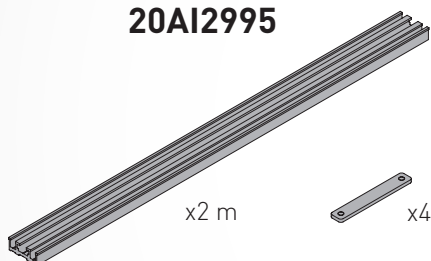
Ditec commercial frame aluminium system

Profiles and accessories dedicated for making commercial wings

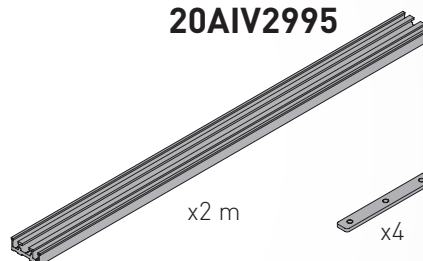
Aluminium systems for generic framed wings

Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
20AI2995	MILL FINISH aluminium connection profile L = 2.000 mm for generic framed wing	Mill finish	2.00	PM20AI2995*	
	EURAS C0 aluminium connection profile L = 2.000 mm for generic framed wing	Euras C0	2.00	PM20AI2995N*	
20AIV2995	MILL FINISH aluminium connection profile L = 2.000 mm for generic framed wing (Ditec VALOR HS-HH)	Mill finish	2.00	PM20AIV2995*	
	EURAS C0 aluminium connection profile L = 2.000 mm for generic framed wing (Ditec VALOR HS-HH)	Euras C0	2.00	PM20AIV2995N*	

20AI2995



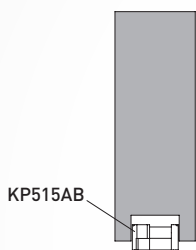
20AIV2995



* Note: Floor runner is not included. Please refer to the below codes

Generic Wing Floor runners

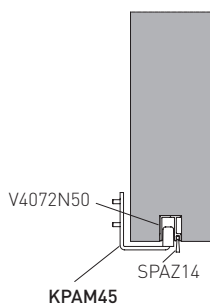
Drawing no.	Description	Supply quantity in pcs	Code
KP515AB	Framed wing guide runner	1	PMKP515AB
KPAM45	Wing runner kit	1	PMKPAM45
SPAZ14	Floor seal brush H 14 mm, rod L = 2500 mm	1	PMVSP14V25
V4072N50	EURAS C0 lower brush holder L = 5050 mm	1	PMV4072N50



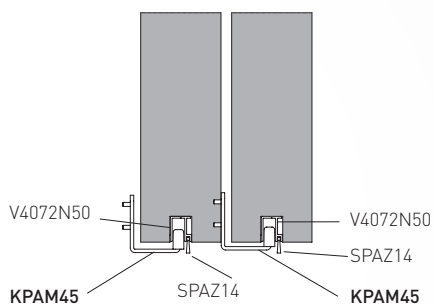
ONE WING



KP515AB



ONE WING



TELESCOPIC WINGS



KPAM45

Ditec PAM16

Profiles, accessories and seals dedicated for making wings



Ditec profile and seal system allows commercial sliding doors to be made up featuring perfectly built-in and matched components. Once installed, the fixed and moving frames are aesthetically pleasing, highly comfortable and substantially energy saving, besides ensuring a very high standard of safety for people who use them, as required by current European standards. Thanks to their long development history, PAM lines allow frames to be built locally, with ease and optimal results, suitable for easy installation of Ditec automations.

PAM16

PAM16 series is a size and weight reduced aluminium profile system, yet very sturdy and highly reliable. The system is specifically designed for 1 wing, 2 wings or telescopic automatic sliding doors.

Distinctive features of the system

PAM16, designed to be compatible with current and future automations, consists of a set of very thin, 16 mm thick profiles. Able to hold up to 11 mm thick glass panels, it is available from stock in the mill finish or anodised aluminium (EURAS C0) version.

Benefits

The benefits ensured are listed below:

- the wings can be made up in the workshop, with major time savings and ease of operation;
- identical assembly screws are supplied, which ensure an easier and faster assembly operation;
- very easy machining, ensured by 90° cuts;
- no brickwork is required as the surrounding profile supports the safety photocell and ensures an easy access to the connection;
- the glass panels can be inserted in the profile without a seal but by simply using silicone;
- air tightness is ensured by a special central double slot-in seal between the wings;
- featuring practically all slot-in components, the system is very easy to assemble.

Aesthetically pleasing

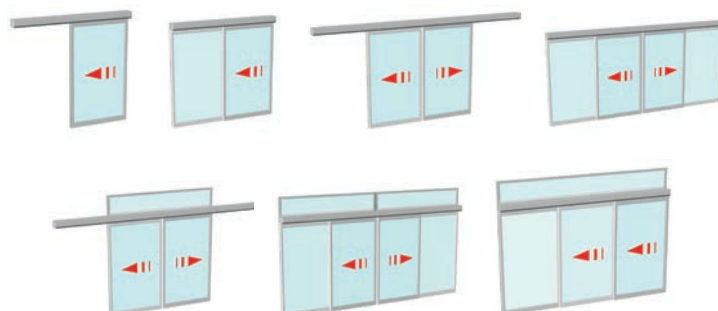
This is a very aesthetically valuable product, consisting of well matched and smooth looking components, which allows a wider glazing surface to be achieved, for better visibility.

Fittings

PAM16 is supplied with all the required manuals to make up the door frames, i.e.: system configuration charts, reference code lists, component sections and types with cutting lists; processing, drilling and assembly tables.








Note

PAM16 cannot be used with anti-panic breakout systems



Ditec PAM16

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings									
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	P598	Snap-on cover			X	Mill finish	5.05	PMVP598G50	
						Euras C0	5.05	PMVP598N50	
	1522	Lower horizontal profile	X	X		Mill finish	5.05	PMV1522G50	
						Euras C0	5.05	PMV1522N50	
	1523	Vertical profile	X	X	X	Mill finish	5.05	PMV1523G50	
						Euras C0	5.05	PMV1523N50	
	1524	Fixed panel base profile	X			Mill finish	5.05	PMV1524G50	
						Euras C0	5.05	PMV1524N50	
	1525	Perimeter frame			X	Mill finish	5.05	PMV1525G50	
						Euras C0	5.05	PMV1525N50	
	R875	Wing upper profile		X		Mill finish	5.05	PMVR875G50	
						Euras C0	5.05	PMVR875N50	





Ditec PAM16

Profiles, accessories and seals for making wings and panels

Covering rear sides

	Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
	4331D	Generic rear side profile for per DAS200	Mill finish	6,65	PMV4331DG66	
			Euras C0	6,65	PMV4331DN66	

Framed wing seals

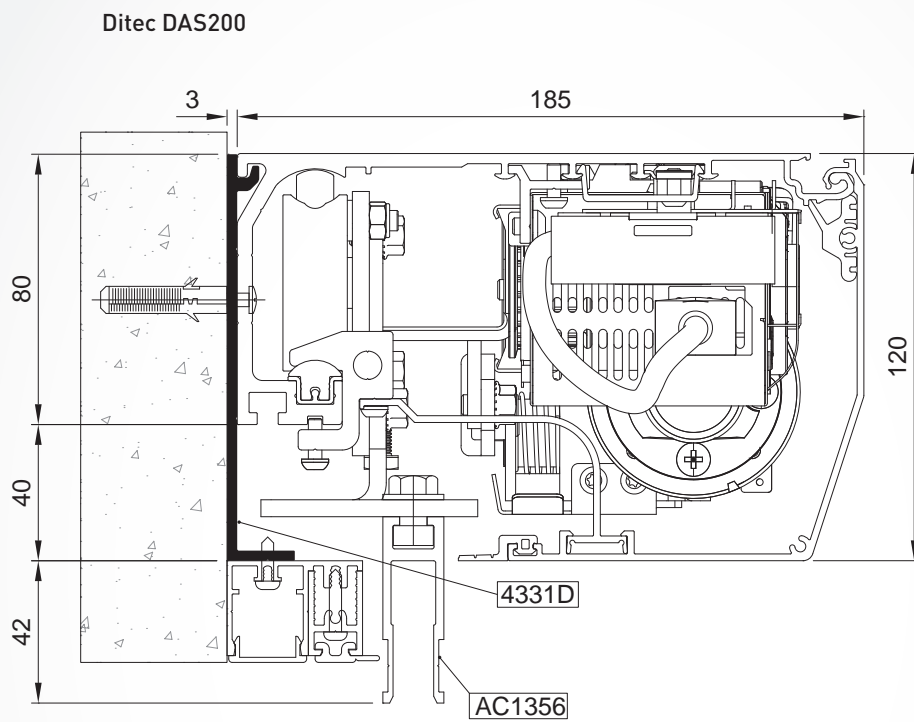
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Supply quantity in m	Code	Rod/Roll
	4291A	Wing closing seal PAM16	X	X		30	PMRGR4291A30	
	4291B	Wing closing seal PAM16	X	X	X	30	PMRGR4291B30	
	1526B	Wing central stop seal PAM16		X		2.50	PMV1526BV25	
	T62	Seal for 8/9 mm glazing	X	X		100	PMRGRT62100	

Framed Wing accessories

-	Casing profile fixing kit			X	1	PMK1525	
-	Fixed panel accessories kit	X			1	PMKAF16	
-	Wing accessories kit		X		1	PMKAM16	
-	Telescopic wing runner kit		X		1	PMKAMT16	

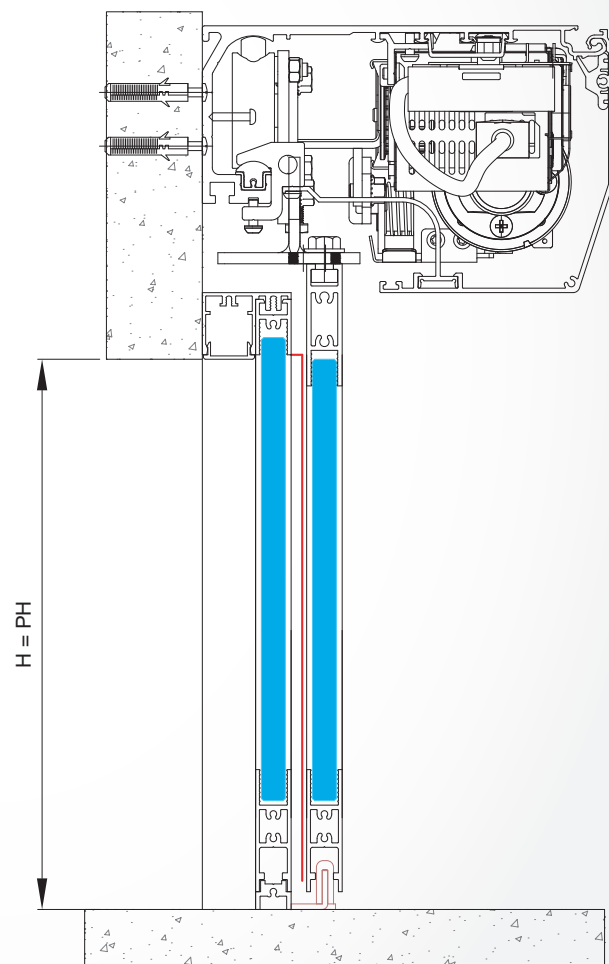
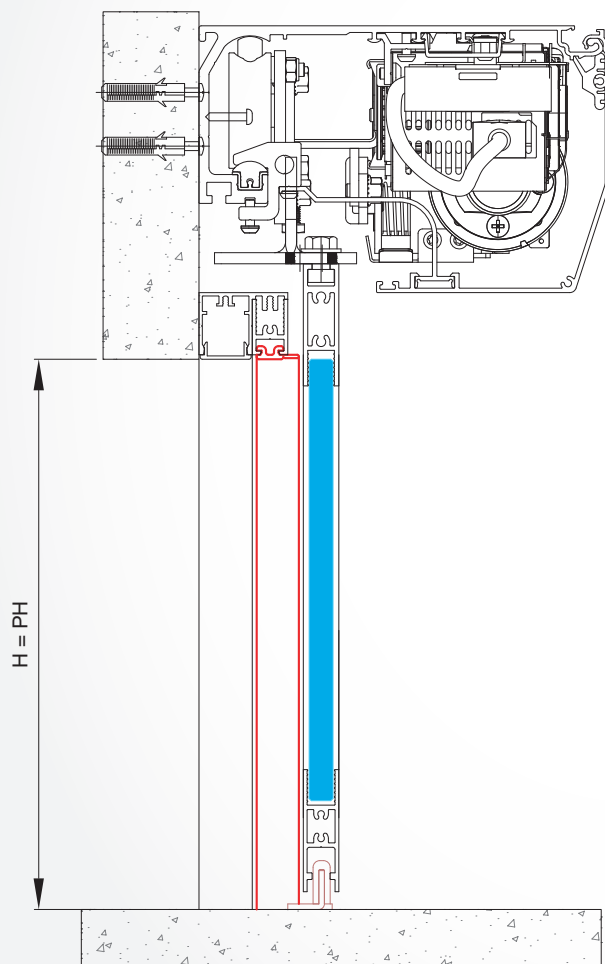
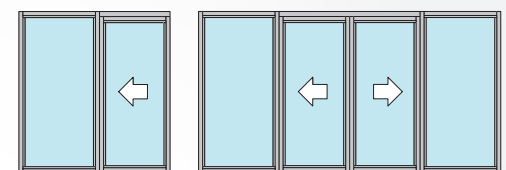
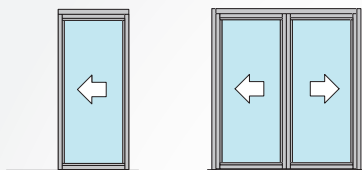
Ditec PAM16

Application of rear side profile code 4331D



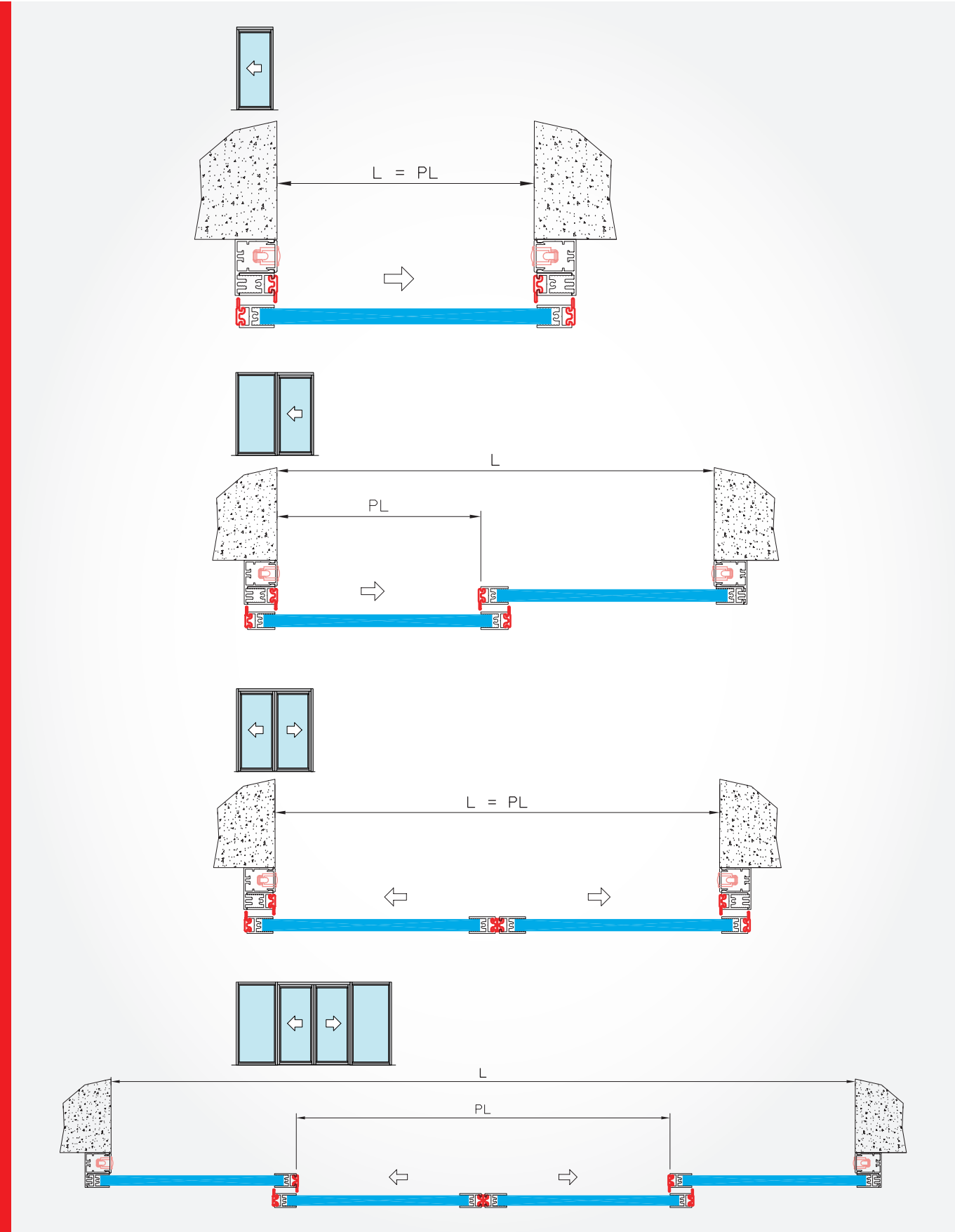
Ditec PAM16

Examples of cross section types



Ditec PAM16

Examples of cross section types



Ditec PAM30

Profiles, accessories and seals dedicated for making wings



Ditec profile and seal system allows commercial sliding doors to be made up featuring perfectly built-in and matched components. Once installed, the fixed and moving frames are aesthetically pleasing, highly comfortable and substantially energy saving, besides ensuring a very high standard of safety for people who use them, as required by current European standards. Thanks to their long development history, PAM lines allow frames to be built locally, with ease and optimal results, suitable for easy installation of Ditec automations. Product specific accessories and technical devices ensure an easy and fully adjustable installation.

PAM30

The PAM30 series consists of aluminium profiles for 1 wing, 2 wings or telescopic automatic sliding doors, with fanlights and fixed walls, which positions itself between the PAM16 and the ALU48 series. It is far sturdier than the PAM16 series and can hold 8 to 23 mm thick glazing, whilst it is far thinner than the ALU48 series.

Distinctive features of the system

PAM30, designed to be compatible with current and future automations, consists of a set of visible reduced sections, 30 mm thick profiles.

By using 3 different types of seals, it is able to hold 8/9 mm, 10/11 mm e 22/23 mm unbreakable glasses; supplied in the mill finish and anodised aluminium (EURAS C0) version.

It is also fitted with an adjustable, floor recessed guide, suitable for 1 or 2 wings sliding openings and telescopic openings.

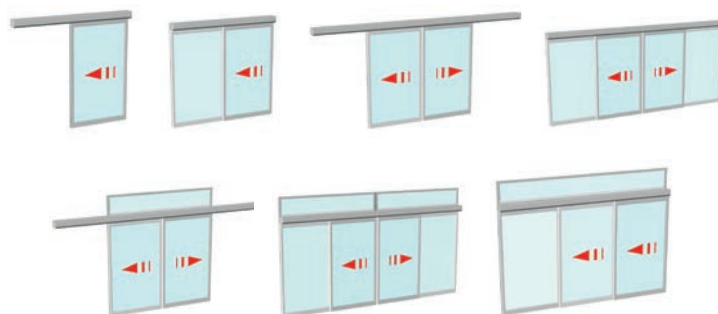
Benefits

The PAM30 series ensures several benefits, such as:

- very easy machining, assembly and installation ensured by: 90° cuts, self-threading screws;
- full compliance with safety international standards;
- alignment of top and bottom crosspieces;
- side closure between wings and frame separated by a pressure seal;
- centrally closed wings with dual stop, dual snap-on seal;
- photocells inserted between the fixed panel or in special wall mounted profiles, when wings only are fitted (only countries outside the EU);
- profiles with totally smooth visible front, with no grooving;
- in the wing bottom section lower profile housings are available to allow runner operation and to insert the floor seal brush.










Fittings

PAM30 is supplied with all the required manuals to make up the door frames, i.e.: system configuration charts, reference code lists, component sections and types with cutting lists; processing, drilling and assembly tables.






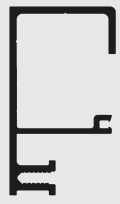

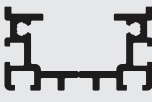

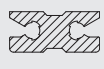
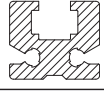
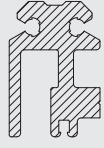
Ditec PAM30

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings									
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	P598	Snap-on cover			X	Mill finish	5.05	PMVP598G50	
						Euras C0	5.05	PMVP598N50	
	2085	Fixed panel upper profile	X			Mill finish	5.05	PMV2085G50	
						Euras C0	5.05	PMV2085N50	
	2086	Wing upper profile		X		Mill finish	5.05	PMV2086G50	
						Euras C0	5.05	PMV2086N50	
	2087	Fixed panel/wing lower profile	X	X		Mill finish	5.05	PMV2087G50	
						Euras C0	5.05	PMV2087N50	
	2088	Fixed panel base profile	X			Mill finish	5.05	PMV2088G50	
						Euras C0	5.05	PMV2088N50	
	2089	Wing vertical profile		X		Mill finish	5.05	PMV2089G50	
						Euras C0	5.05	PMV2089N50	
	2090	Fixed panel overlap profile	X			Mill finish	5.05	PMV2090G50	
						Euras C0	5.05	PMV2090N50	
	2091	Wing overlap profile		X		Mill finish	5.05	PMV2091G50	
						Euras C0	5.05	PMV2091N50	
	2092	Photocell door vertical profile			X	Mill finish	5.05	PMV2092G50	
						Euras C0	5.05	PMV2092N50	

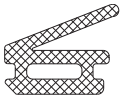
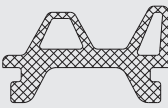

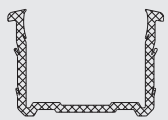
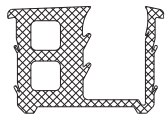
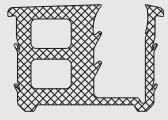
Ditec PAM30

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings									
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	2092DE	Photocell door vertical profile			X	Mill finish	5,05	PMV2092DEG50	
						Euras C0	5,05	PMV2092DEN50	
	2093	Fixed panel wall profile	X			Mill finish	5.05	PMV2093G50	
						Euras C0	5.05	PMV2093N50	
	2226D	Passageway closure profile for DAS200			X	Mill finish	5,05	PMV2226DG50	
	3127	Single-wing stop support profile			X	Mill finish	5.05	PMV3127G50	
						Euras C0	5.05	PMV3127N50	
	3128	Single-wing stop profile			X	Mill finish	5.05	PMV3128G50	
						Euras C0	5.05	PMV3128N50	
	3130	Recessed track housing profile			X	Euras C0	6.60	PMV3130N66	
	3131	Recessed track profile			X	Euras C0	6.60	PMV3131N66	
	2094	Fixed panel assembly profile	X			Mill finish	5.05	PMV2094G50	
	2095	Fixed panel/wing assembly profile	X	X		Mill finish	5.05	PMV2095G50	
	2096	Wing assembly profile		X		Euras C0	5.05	PMV2096N50	

Ditec PAM30




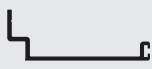

Profiles, accessories and seals for making wings and panels

Framed wing seals								
	Drawing no.	Description	Fixed panel	Wing	Perimeter profile	Supply quantity in m	Code	Rod/Roll
	2139	Seal for fixed panel/wing	X			2.50	PMVGR213925	
	2098	Central stop seal for PAM30 wings		X	X	2.50	PMVGR209825	
	SPAZ14	Floor seal brush		X		2.50	PMVSP14V25	
	2140	Seal for 22 mm (3+3/9/3+3) glass pane	X	X		40.00	PMRGR214040	
	2141	Seal for 10 mm (5+5) glass pane	X	X		30.00	PMRGR214130	
	2469	Seal for 8 mm (4+4) glass pane	X	X		30.00	PMRGR246930	

Framed Wing accessories							
	Drawing no.	Description	Fixed panel	Wing	Supply quantity in pcs	Code	
	-	Fixed panel accessories kit	X		1	PMKAF30	
	-	Wing accessories kit		X	1	PMKAM30	
	-	Telescopic wing runner kit		X	1	PMKAMT30	
	-	PAM30 single recessed track accessories kit		X	1	PMKGI	
	-	PAM30 telescopic recessed track accessories kit		X	1	PMKGIT	
	-	Adhesive strips for indicating presence of transparent glass panes (1 pair per large 1 m wing)	X	X	1	PMBDV	

Ditec PAM30

Profiles, accessories and seals for making wings and panels

Automation system supporting beams						
	Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
	4063D	Supporting beam profile H = 160 for DAS200	Mill finish	6,65	PMV4063DG66	
			Euras C0	6,65	PMV4063DN66	
	4073D	Profile for frame overlap connector with 4063 and 4063D beam	Mill finish	5.05	PMV4073DG50	
	4085	Blanking cover profile for 4063 and 4063D beam	Mill finish	6.65	PMV4085G66	
			Euras C0	6.65	PMV4085N66	
	4103	Profile for frame overlap connector with 4063 and 4063D beam	Mill finish	5.05	PMV4103G50	
			Euras C0	5.05	PMV4103N50	
	4671D	Rear side profile H = 143 for DAS200	Mill finish	6,65	PMV4671DG66	
			Euras C0	6,65	PMV4671DN66	

Ditec PAM30

Profiles, accessories and seals for making wings and panels

Automation system supporting beams

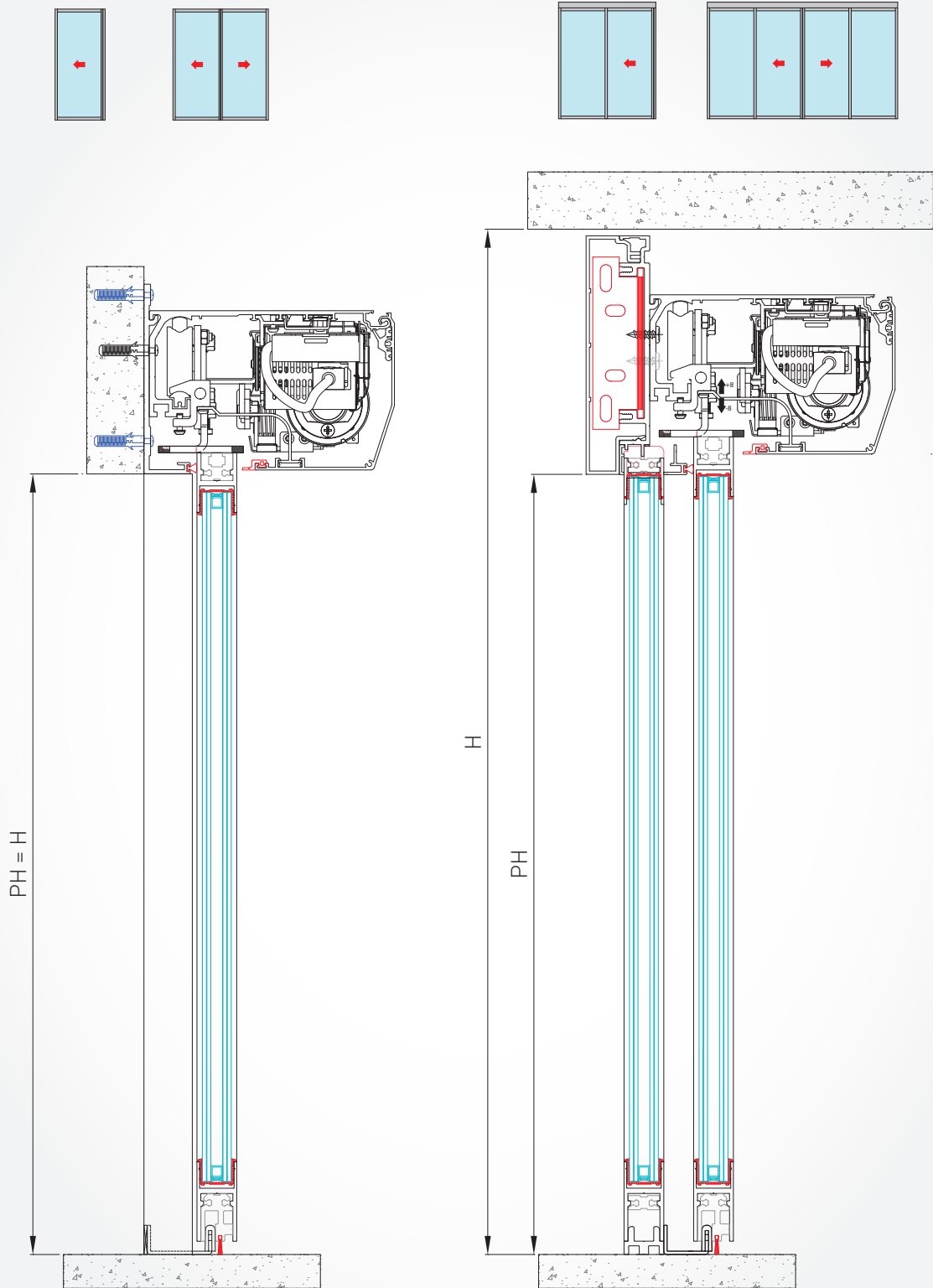
	Drawing no.	Description	Finish	Supply quantity in m	Code	Rod
	TU50x50	Aluminium tube 50x50x2 L = 6500 mm	Euras C0	6.50	PM VT50502N65	

Supporting beam fastening accessories

	Drawing no.	Description	Supply quantity in pcs	Code	Rod
	-	Head brackets kit for beam support - drawing 4063	1	PM KT4063	
	-	Kit for pair of closing caps for head profile 4063	1	PM KTT23	

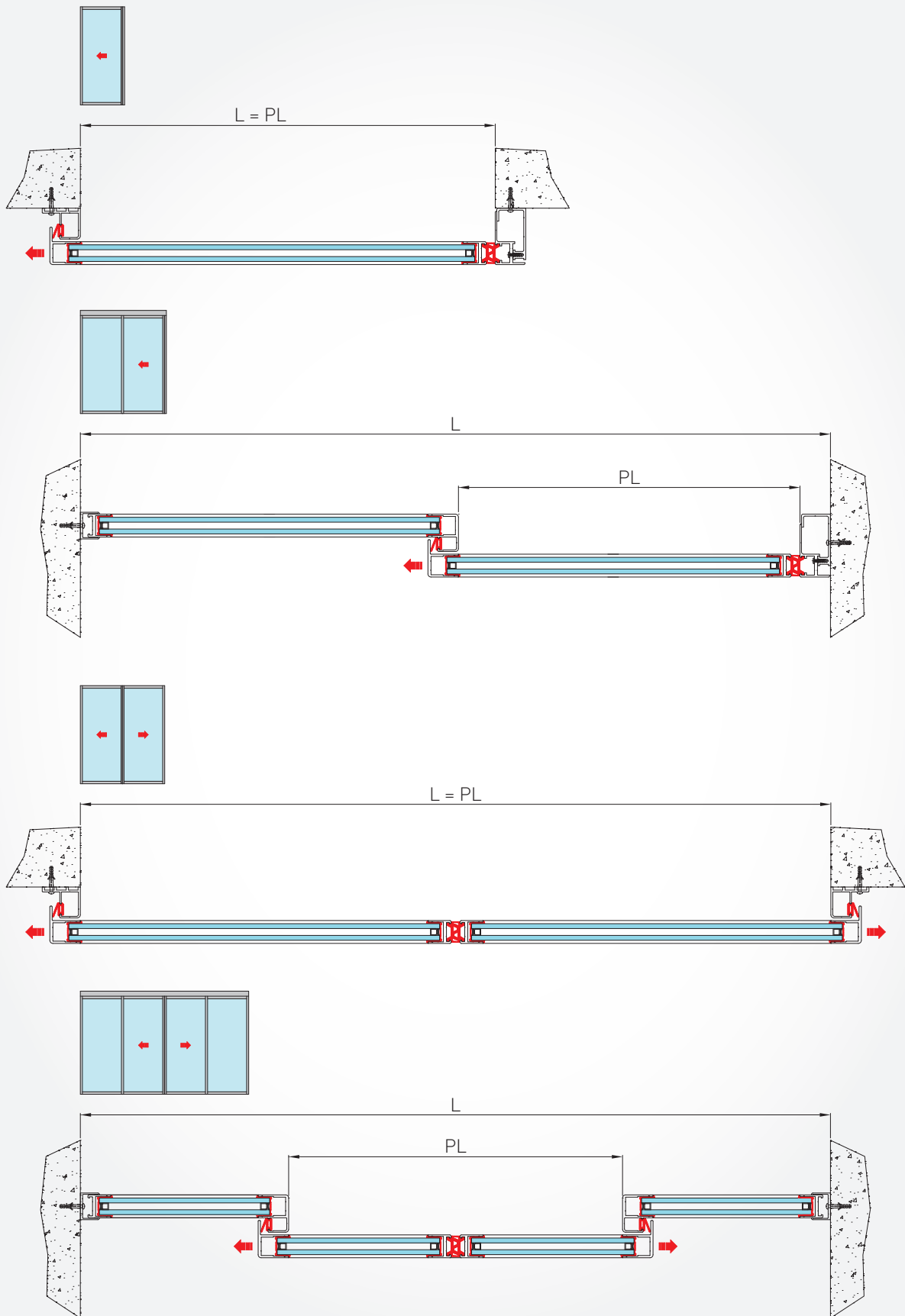
Ditec PAM30

Examples of cross section types



Ditec PAM30

Examples of cross section types



Ditec ALU48

Profiles, accessories and seals dedicated for making wings



Ditec profile and seal system allows commercial sliding doors to be made up featuring perfectly built-in and matched components. Once installed, the fixed and moving frames are aesthetically pleasing, highly comfortable and substantially energy saving, besides ensuring a very high standard of safety for people who use them, as required by current European standards. Thanks to their long development history, ALU lines allow frames to be built locally, with ease and optimal results, suitable for easy installation of Ditec automations. Product specific accessories and technical devices ensure an easy and fully adjustable installation.

ALU48

The ALU48 series is an aluminium profile system specifically designed to make up frames with very quick and simplified machining, installing and commissioning operations.

The system is dedicated to 1 wing, 2 wings or telescopic automatic sliding doors, including those with fanlight and fixed walls, in the standard version and in the wing breakout anti-panic or full breakout versions.

Distinctive features of the system

ALU48, designed to be compatible with current and future automation systems, includes a range of 48-mm-thick profiles, equipped with large vertical profiles, with sturdy visible sections, for all Standard, Telescopic, Transom and Wall types. Prepared to house various types of locks for closing the mobile wings (night closure).

The system can accommodate all types of glass, from 8-40 mm thicknesses, without protruding frames. It comes in mill finish or anodised (EURAS C0) aluminium bars. As an alternative, it has an adjustable floor guide track that is suitable for both 1- or 2-wing sliding and telescopic entrances.

Benefits

The benefits ensured are listed below:

- the fixed components can be installed with self-compensating profile for the surround;
- easier offset of any installation errors;
- the fixed panels are fully independent;
- identical assembly screws are used, ensuring a faster operation;
- simpler machining operations as the wings and fixed panels can be cut at 90°;
- the bottom and top crosspieces can be aligned;
- the wings are centrally closed with a double stop, double slot-in seal;
- the profiles are smooth, without grooving;
- better seal with special brushes.

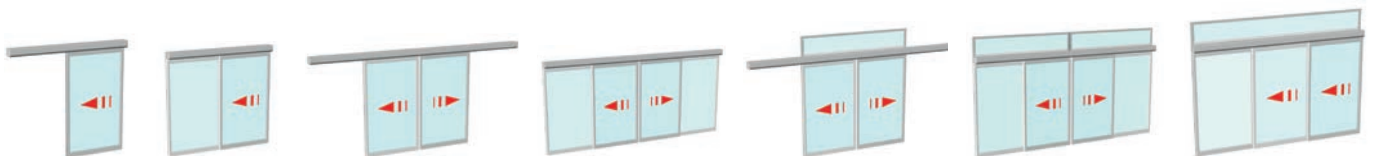
For ALU48 series profiles, three anti-panic wing opening systems are available: SBO, RBO and TBO. The SBO device is a breakout system for inwards sliding wings only; the RBO device for outwards sliding wings only, whilst the TBO device is a full breakout system for both wings and fixed panels.

This device also makes the door suitable as a FIRE EXIT door (TÜV certified). The breakout anti-panic opening system is 48 mm thick, it features steel wings rotation and fixed panels release/retainer pivots, anodised aluminium floor guide, nylon runner and hidden fixed panels rotation hinges.

Fittings


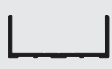



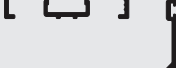





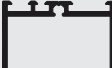

ALU48 has all the technical documentation necessary for the frame such as: system composition tables, distinct reference codes, sections and types, production, perforation, assembly and installation tables.

The system is supported by specific software for the development of all the picking lists for materials and cutting of the profiles.



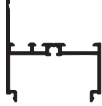
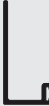

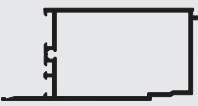

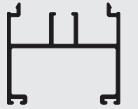


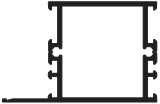
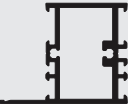



Ditec ALU48

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings											
	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	9800D	Support Beam L = 6600 for DAS200					X	Grezzo	6,60	PMV9800DG66	
Euras C0								PMV9800DN66			
	9801	Perimetral Profile L = 6600					X	Mill finish	6.60	PMV9801G66	
Euras C0								PMV9801N66			
	9802	30 Rounded Glassbead L = 5000	X	X	X	X		Mill finish	5.00	PMV9802G50	
Euras C0								PMV9802N50			
	9803	30 Squared Glassbead L = 5000	X	X	X	X		Mill finish	5.00	PMV9803G50	
Euras C0								PMV9803N50			
	9804	Labyrinth Profile L = 4900	X	X				Mill finish	4.90	PMV9804G49	
Euras C0								PMV9804N49			
	9805	Labyrinth Profile For Frame L = 5000					X	Mill finish	5.00	PMV9805G50	
Euras C0								PMV9805N50			
	9806	Support central gasket profile L = 4800		X				Mill finish	4.80	PMV9806G48	
Euras C0								PMV9806N48			
	9807	20 Squared Glassbead L = 5000	X	X	X	X		Mill finish	5.00	PMV9807G50	
Euras C0								PMV9807N50			
	9808	Labyrinth Profile For Frame L = 4900					X	Mill finish	4.90	PMV9808G49	
Euras C0								PMV9808N49			
	9809	Midrail Profile L = 5000	X	X	X	X		Mill finish	5.00	PMV9809G50	
Euras C0								PMV9809N50			
	9810	Wing Bottom Profile L = 6000	X	X			X	Mill finish	6.00	PMV9810G60	
Euras C0								PMV9810N60			
	9811	Jamb Tube Profile L = 4900	X	X			X	Mill finish	4.90	PMV9811G49	
Euras C0								PMV9811N49			
	9812	Wing Bottom Profile With Guide L = 5000		X				Mill finish	5.00	PMV9812G50	
Euras C0								PMV9812N50			



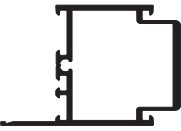




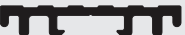

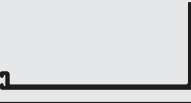


Ditec ALU48

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings											
	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	9813	Overlight Stile Profile L = 6000			X			Mill finish	6.00	PMV9813G60	
								Euras C0		PMV9813N60	
	9814	Brush Profile L = 5000					X	Mill finish	5.00	PMV9814G50	
								Euras C0		PMV9814N50	
	9815	Upper Wing Holder Profile L = 5000					X	Mill finish	5.00	PMV9815G50	
								Euras C0		PMV9815N50	
	9816	Additional Bottom Rail Profile L = 5000	X	X			X	Mill finish	5.00	PMV9816G50	
								Euras C0		PMV9816N50	
	9817	Vertical Closing Frame Holder L = 4800						Euras C0	4.80	PMV9817N48	
		Vertical Closing Frame Holder L = 4900						Mill finish		4.90	
	9818	Wing Bottom Profile For Guide L = 5000		X				Mill finish	5.00	PMV9818G50	
								Euras C0		PMV9818N50	
	9819	Cover Profile L = 6000					X	Mill finish	6.00	PMV9819G60	
								Euras C0		PMV9819N60	
	9820	Squared Glassbead L = 5000					X	Mill finish	5.00	PMV9820G50	
								Euras C0		PMV9820N50	
	9821	Vertical Wing Post Profile L = 4800	X	X	X	X		Mill finish	4.80	PMV9821G48	
								Euras C0		PMV9821N48	
	9822	Vertical Wing Post Profile L = 6200	X	X	X	X		Mill finish	6.20	PMV9822G62	
								Euras C0		PMV9822N62	
	9823	Commercial L Profile 20x25x2 L = 5000					X	Mill finish	5.00	PMV9823G50	
								Euras C0		PMV9823N50	
	9824	Thershold Floor Guide L = 6200					X	Euras C0	6.20	PMV9824N62	
	9825	Thershold Floor Guide L = 6200					X	Euras C0	6.20	PMV9825N62	

Ditec ALU48





Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings												
	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Finish	Supply quantity in m	Code	Rod	
	9826	Thereshold Floor Guide L = 6200					X	Euras C0	6.20	PMV9826N62		
	9834	Upper Wing Break-Out Holder Profile L = 5000		X				Mill finish	5.00	PMV9834G50		
								Euras C0		PMV9834N50		
	9835	Vertical Post Wing Break-Out Profile L = 2300		X				Euras C0	2.30	PMV9835N23		
		Vertical Post Wing Break-Out Profile L = 2400						Mill finish	2.40	PMV9835G24		
		Vertical Post Wing Break-Out Profile L = 2800		X				Mill finish	2.80	PMV9835G28		
Euras C0	PMV9835N28											
	9836	Break-Out Screen Cover Profile L = 5000	X	X				Mill finish	5.00	PMV9836G50		
								Euras C0		PMV9836N50		
	9837	Break-Out Fix Frame Profile L = 4800	X					Mill finish	4.80	PMV9837G48		
								Euras C0		PMV9837N48		
	9838	Thereshold Break-Out Floor Guide L = 5000					X	Euras C0	5.00	PMV9838N50		
	9839	Thereshold Break-Out Floor Guide L = 5000					X	Euras C0	5.00	PMV9839N50		
	9840	Thereshold Break-Out Floor Guide L = 5000					X	Euras C0	5.00	PMV9840N50		
	9841	Brush Profile For Break-Out L = 4900					X	Mill finish	4.90	PMV9841G49		
								Euras C0		PMV9841N49		
	9842	Brush Profile For Telescopic L = 4000					X	Mill finish	4.00	PMV9842G40		
								Euras C0		PMV9842N40		
	9843	Vertical Closing Frame Holder for telescopic L = 4800					X	Mill finish	4.80	PMV9843G48		
								Euras C0		PMV9843N48		
	9844	Brush Holder Profile For Break-Out L = 5000					X	Mill finish	5.00	PMV9844G50		
								Euras C0		PMV9844N50		

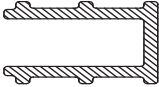






Ditec ALU48

Profiles, accessories and seals for making wings and panels

Aluminium profiles for framed wings

	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Finish	Supply quantity in m	Code	Rod
	9845	Thereshold Reverse and Special Reverse Break-Out Floor Guide RBO-SBO L = 5000					X	Euras C0	5.00	PMV9845N50	
	9848	Thereshold Telescopic Additional Floor Guide L = 6300					X	Euras C0	6.30	PMV9848N63	
	9850	Flat Vertical Fastening and SBO Stop Support L = 4800					X	Mill finish	4.80	PMV9850G48	
	9851	RBO-SBO Brush-Holder Frame Profile L = 4800					X	Mill finish	4.80	PMV9851G48	
								Euras C0		PMV9851N48	


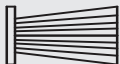
Framed wing seals

	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Supply quantity	Code	Rod/Roll
	9827	Sliding Guide Polymer Profile/bars L = 2300		X				1 pc	PMV9827V23	
	9828	Thereshold Floor Guide Polymer Profile/bars L = 5000					X	1 pc	PMV9828V50	
	9829	Wing Closing Rubber/rolls L = 50 m		X				50 m	PMRGR982950	
	9830	Internal Glass Rubber/rolls L = 250 m	X	X	X	X		250 m	PMRGR9830250	
	9831	Internal/Esternal Glass Rubber/rolls L = 400 m	X	X	X	X		400 m	PMRGR9831400	
	9832	Brush 9 mm / rolls L = 100 m	X				X	100 m	PMRSP9832100	
	9833	Brush 11 mm / rolls L = 100 m		X				100 m	PMRSP9833100	

Ditec ALU48

Profiles, accessories and seals for making wings and panels

Framed wing seals

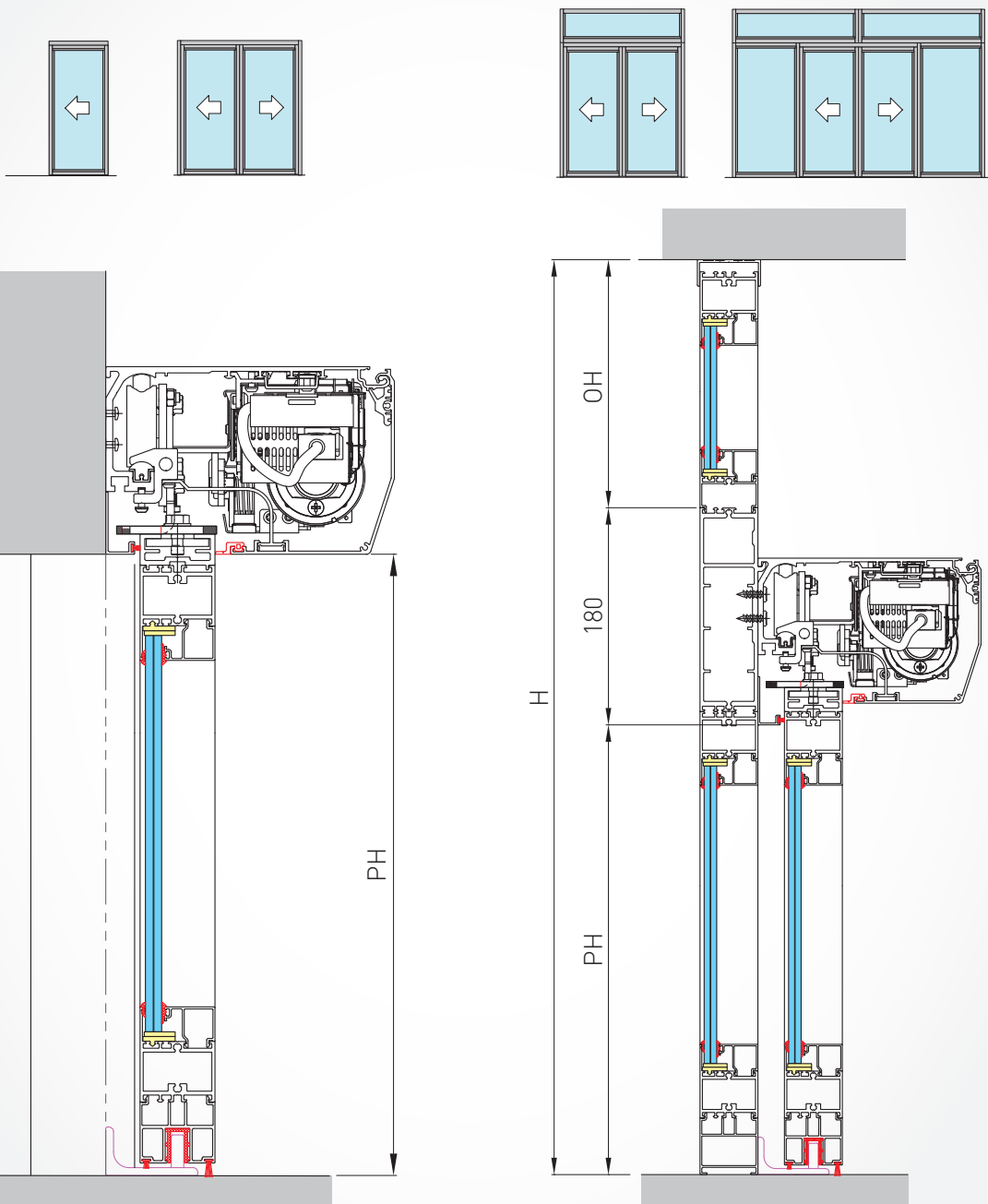
	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Supply quantity	Code	Rod/Roll
	9847	Brush 20 mm / rolls L = 100 m					X	100 m	PMRSP9847100	
	9849	Brush 10 mm / rolls L = 100 m					X	100 m	PMRSP9849100	

Framed Wing accessories

	Drawing no.	Description	Fixed panel	Wing	Fanlights	Fixed walls	Perimeter profile	Supply quantity in pcs	Code	
	-	ALU48 midrail kit	X	X	X	X		1	PMKT48	
	-	ALU48 glass thicknesses kit	X	X	X	X		1	PMKSV48	
	-	ALU48 floor guide kit					X	1	PMKP48	
	-	ALU48 threshold floor guide kit					X	1	PMKPI48	
	-	ALU48 perimetral frame kit					X	1	PMKC48	
	-	ALU48 wing hook lock kit		X				1	PMKSER48	
	-	Semi-cylinder for KSER48		X				1	PMKSER481	
	-	Cylinder for KSER48		X				1	PMKSER482	
	-	Mobile Wing kit		X				1	PMKAM48	
	-	ALU48 Break-Out mobile wing kit		X				1	PMKASM48	
	-	ALU48 Break-Out lateral fix wing kit	X					1	PMKASF48	
	-	ALU48 Break-Out lateral fix wing kit	X					1	PMKASF	
	-	ALU48 Beam kit					X	1	PMKB48	
	-	ALU48 lateral fix wing kit	X			X		1	PMKAF48	
	-	ALU48 overlight kit			X			1	PMKS48	

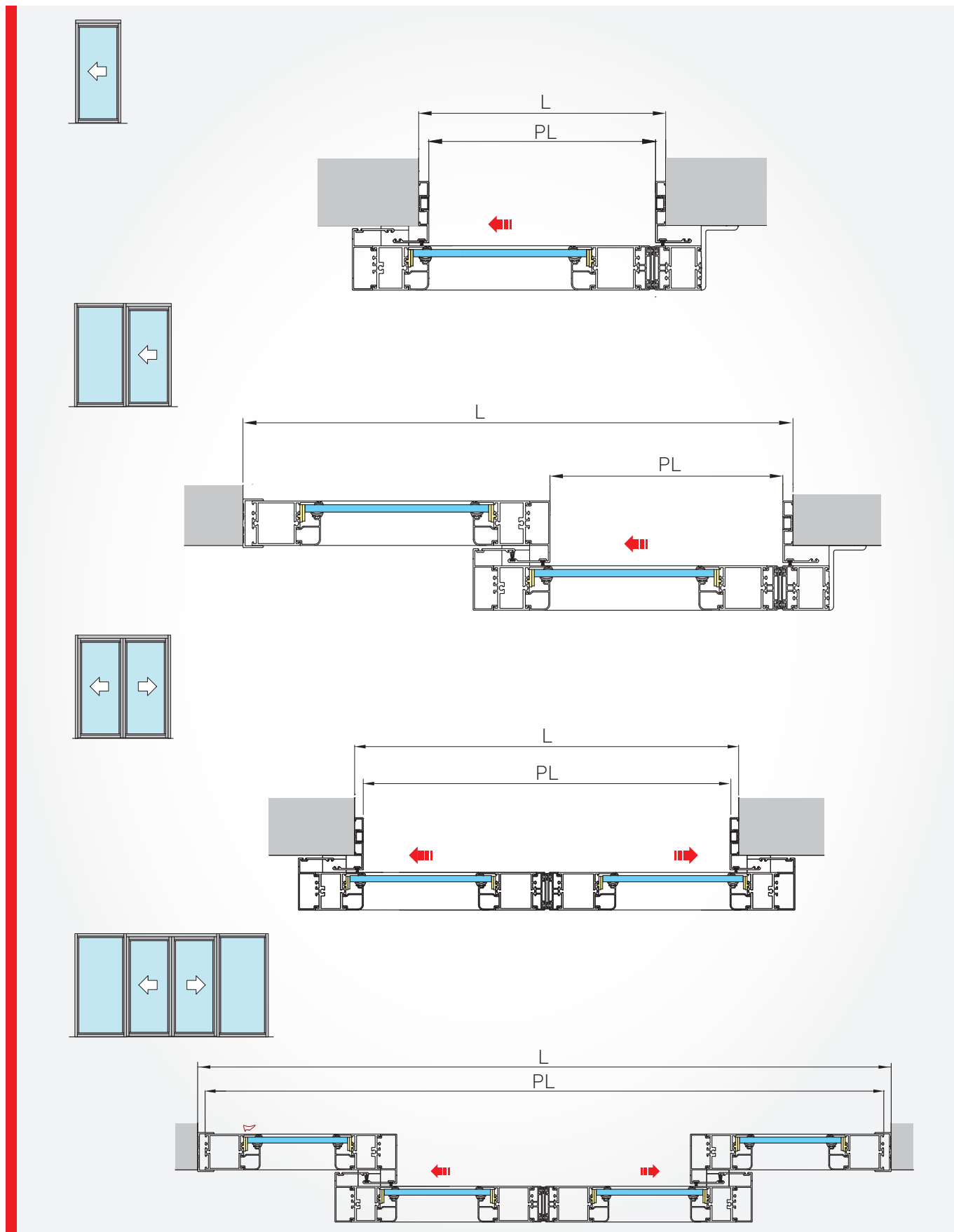
Ditec ALU48

Examples of cross section types



Ditec ALU48

Examples of cross section types



A “typical” sliding door installation, either normal or telescopic, consists of the following:

A BASIC AUTOMATION	pcs 1
B FRONT COVER	pcs 1
C WING CONNECTION SYSTEM	pcs 1 or single sliding doors pcs 2 for double sliding doors
D SAFETY ACCESSORIES	
- Wing stop device	pcs 1 on request
- Battery-driven device	pcs 1 on request
- Dual technology safety sensor	pcs 2 on request
E CONTROL ACCESSORIES	pcs 1 for one-way doors pcs 2 for two-way doors
F SETUP SYSTEMS	pcs 1

KEY

A BASIC AUTOMATION

Several models available, according to:

- 1 - The weight of the wing/wings
- 2 - Duty class required (light/heavy/very heavy)
- 3 - Type of entrance (single wing/double wings)

B FRONT COVER

The following finishes are available:

- 1 - “Mill finish” aluminium
- 2 - “EURAS C0 silver anodised” aluminium

C WING CONNECTION SYSTEM

Several versions are available according to the type of wing to be installed, which can be FRAMED or TEMPERED GLASS.

The system consists of brackets and aluminium profiles suitable for all the types of wings installed, to be used according to the following diagram

- | | |
|----------|--|
| A | tempered glass wings |
| | 1 - A pair of brackets (AC) for each wing |
| | 2 - A glazing retention profile (AC1356, AC4255 or AC4870) for each wing; the finishes available are “Mill finish” or “EURAS C0 silver anodised” and the available length is 2000 mm |
| B | Framed wings with commercial profiles or generic wings (such as wooden wings) |
| | 1 - A pair of brackets (AL) for each wing |
| | 2 - An adapter profile (V2995) for each wing; the finishes available are “Mill finish” or “EURAS C0 silver anodised” aluminium and the available length is 2000 mm |
| C | Framed wings with PAM and ALU series profiles (dedicated profiles) |
| | 1 - A pair of dedicated brackets for each wing |

Vademecum

Sliding Door / Typical Installation

A “typical” sliding door installation, either normal or telescopic, consists of the following:

KEY (continued)

D SAFETY ACCESSORIES

The accessories available must be selected according to the installation safety requirements:

- 1 - Wing stop device complete with manual release system
- 2 - Battery-driven anti-panic opening device
- 3 - Dual technology safety sensor (active infrared and microwaves) and dual function to ensure safe operation of the sliding doors

E CONTROL ACCESSORIES

According to the installation control requirements, the following controls are available:

- a - Microwave sensors
- b - Active infrared sensors
- c - Passive infrared sensors
- d - Electrically operated pushbuttons
- e - Pneumatically operated pushbuttons

These accessories must be selected according to the type of installation (SHOP, SUPERMARKET, AIRPORT, etc.) and are calculated in the correct quantities according to type of door use (ONE-WAY/TWO-WAY).

F SET-UP SYSTEMS

The following function-selectors are available according to the installation set-up requirements:

- a - Function-selector with key operated control
- b - Function-selector with knob operated control
- c - Digital function-selector

Vademecum

Swing Door / Typical Installation

A "typical" swing door installation consists of the following:

A BASIC AUTOMATION	pcs 1 for single swing doors pcs 2 for double swing doors
B MOVEMENT ARM	pcs 1 for single swing doors pcs 2 for double swing doors
C SAFETY ACCESSORIES - Battery-driven anti-panic device - Active infrared sensors	pcs 1 if required and not supplied as standard pcs 1/2 for single swing doors which need to be protected on one or on both sides pcs 2/4 for double swing doors
D CONTROL ACCESSORIES	pcs 1 for one-way doors pcs 2 for two-way doors
E SETUP SYSTEMS	pcs 1

KEY

- A BASIC AUTOMATION**
Several models available, according to:
- 1 - The weight of the wing/wings
 - 2 - Duty class required (light/heavy/very heavy)
 - 3 - Customer's or environmental requirements (doors for the disabled, smokeproof doors, windy conditions, etc.)

- B MOVEMENT ARM**
The models available, according to the wing opening side, are listed below:
- 1 - ARTICULATED ARM for "push" to open doors
 - 2 - SLIDING ARM for "pull" to open doors
 - 3 - SLIDING ARM with emergency breakout opening
 - 4 - THREE LEVER ARTICULATED ARM for "pull" to open doors in special circumstances

- C SAFETY ACCESSORIES**
The accessories available must be selected according to the installation safety requirements:
- 1 - Battery-driven anti-panic opening device, supplied as standard on some models
 - 2 - Active infrared sensors to be installed on the wing (on one or both sides) to protect the door operating area

- D CONTROL ACCESSORIES**
According to the installation control requirements, the following controls are available:
- a - Microwave sensors
 - b - Active infrared sensors
 - c - Passive infrared sensors
 - d - Electrically operated pushbuttons
 - e - Pneumatically operated pushbuttons
- These accessories must be selected according to the type of installation (SHOP, SUPERMARKET, AIRPORT, etc.) and are calculated in the correct quantities according to type of door use (ONE-WAY/TWO-WAY).

- F SET-UP SYSTEMS**
According to the system set-up requirements, one of the following function-selectors can be selected:
- a - Key operated function-selector
 - b - Knob operated function-selector
 - c - Digital function-selector

NOTES

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NOTES

A series of 15 horizontal grey bars, stacked vertically, intended for taking notes. Each bar is approximately 20 pixels high and spans most of the page width.

GENERAL TERMS AND CONDITIONS OF SALE

1. Introduction

1.1 These general terms of sale ("**Terms of Sale**") govern the relationship between Ditec S.p.A., with registered office in Milan, Via Vittor Pisani, 20, Tax Code and VAT number 00360610125, and the customer (respectively "**Ditec**" and the "**Customer**"). Unless otherwise agreed in writing between the parties, these Terms of Sale supersede and prevail over any prior agreement, proposal or agreement, both written and oral, between the parties, including, but not limited to, any terms and conditions of the Customer.

2. Purchase Orders

2.1 The purchase order ("**Order/s**") submitted by the Customer to Ditec has the nature of irrevocable contract proposal with binding effect on the customer until the date indicated on the Order confirmation (sent by Ditec in writing by letter, fax or e-mail) and indicating the expected date of consignment.

2.2 Unless otherwise agreed, the estimate submitted by Ditec to the Customer will be valid for 30 (thirty) days from their issue ("**Estimate/s**"). The acceptance of the Estimate by the Customer, received by Ditec within the said period, involves the issuance of an order having the same nature referred to in point 2.1. The Order issued on the basis of an Estimate will constitute full acceptance of the Estimate in all its terms and conditions and any reduction or increase of the supply, being subject matter of the Estimate, will be valid if expressly indicated in the Order.

2.3 The signing of the Order by the Customer constitutes an express, full and unconditional agreement to these Terms of Sale, without prejudice to any different agreement executed in writing between Ditec and the Customer.

2.4 Any advance payments made by the Customer shall be deemed paid as a deposit, guaranteeing all obligations of the Customer under these Terms of Sale; the acceptance of the said deposit by Ditec shall not be regarded as acceptance of the order.

2.5 The Order is binding on Ditec exclusively upon express acceptance by this latter of the content of the Order. Ditec's acceptance shall be sent to the Customer within the period of effectiveness of the proposal referred to in point 2.1 above and by means of a written confirmation of the Order, sent by Ditec by letter, fax or e-mail.

2.6 In the event of non-acceptance in writing, the execution of orders by Ditec, within the period of effectiveness of the proposal referred to in point 2.1 above, shall be regarded, in any case, as tacit acceptance of Orders received.

3. Prices

3.1 The sales prices of the products are those resulting from the official price list of Ditec in force at the date of the submission of the Order ("**Price List**") and they are net of value added tax and of any additional tax. The Price List shall be the reference basis for any commercial negotiation. The total amount of the Order calculated on the basis of the Price List determines the value of the Price List, to be taken as reference basis for the application of any discount.

3.2 In the case of an Order issued on the basis of an Estimate, the price of supply will be equal to the price indicated in the Estimate.

3.3 Any discount on the price of supply may be granted by Ditec to the Customer on the basis of arrangements separately agreed with the Customer.

4. Delivery

4.1 Unless otherwise agreed between Ditec and the Customer, the delivery of the products, subject to the Order, is made EX WORKS at warehouses indicated by Ditec on the confirmation Order ("**Delivery Terms**"). The products are made available to the customer in the standard packaging provided by Ditec. The property of the products ordered and the risk of loss or damage to them shall pass to the Customer at the time of the receipt at the place of delivery specified in the Order and in accordance with the agreed Delivery Time.

4.2 The deadline for the collection of products will be indicated by Ditec in the acceptance of the Order.

4.3 If the Customer fails to collect the goods at the date indicated by Ditec in the acceptance of the Order, it will be liable vis-à-vis Ditec for any loss resulting from such failure or refusal. In case of failure to collect the products persisted for more than seven (7) days starting from the scheduled day for the collection, Ditec reserves the right to cancel, in whole or in part, the Order, or the right to terminate the entire supply pursuant to Article 1456 of the Civil Code and to ask, in both cases, compensation for damage.

4.4 At the time of the taking over and collection of the products, the Customer, in the exercise of its ordinary business activity, but without undue delay, is required to check on the identity, quantity,

integrity and appearance of products and to report to Ditec any apparent deviations or defects. Deviations or defects that were not immediately identified at the time of inspection shall be notified to Ditec at the time of their discovery and, anyway, within the legal deadlines.

5. Testing

5.1 The testing of the products of the Order shall be carried out by the Customer at its own costs and responsibility. With reference to the type of product purchased, the testing carried out by the Customer shall be as specified in the technical drawings or in the testing specifications drafted and provided by Ditec.

6. Warranty

6.1 Ditec provides the legal product warranty.

6.2 In the case of proven material defects of products of an Order, and only to the extent that they are covered by the legal warranty and in accordance with the terms and conditions set forth therein, Ditec will, as appropriate and solely for the benefit of the Customer, replace the defective product or refund the price paid for the same.

6.3 The claim under warranty will be accepted exclusively upon occurrence of all the conditions set out below:

- the presence of the defect is verified and confirmed in writing by Ditec;
- the Customer and/or end user must not have used the product or performed and/or attempted to perform any corrective action of the defect without the express written approval of Ditec;
- the Customer and/or end user must not have - with, also ordinary, negligence - stored and/or transported the product and must have correctly applied all provisions provided by the accompanying documents, including security documents, technical documents etc., made available to them;
- the defect is not due to the Customer and/or the end user's behaviour;
- the product has been duly paid within the time specified in the invoice.

7. Returns and replacements

7.1 Ditec does not accept returns and/or replacements of the purchased products, unless differently agreed in writing with the Customer. It is understood that in the event of a return or replacement, shipment costs will be entirely charged to the Customer and the product shall be returned in optimum condition and in its standard packages supplied by Ditec at the time of collection, Ditec reserving the right to charge, anyway, to the Customer the price of the products that are damaged. The quantity of the products returned and/or replaced shall be analytically shown in the related shipment document together with the relevant tax document.

8. Invoicing and payment

8.1 Ditec will issue the invoice concerning a certain Order according to the trade agreements with the Customer and as indicated in the acceptance of the Order. All invoices will refer to the related Order and will include the information required by law.

8.2 The Customer shall pay the purchase price of the products subject to the Order within the deadline provided by the invoice, by bank transfer to the bank account details communicated by Ditec. The Customer may not withhold any part of the price as offset, counterclaim or for any other reason.

8.3 The Customer being in delay in payments will be considered in breach and will be charged with interest in accordance with Legislative Decree n. 231/2002, without the need for formal notice, starting from the date the invoice is due until actual payment, without prejudice to the right of Ditec to recover expenses incurred and to demand the compensation for damage.

8.4 In the event of non-payment persisted by the Customer for more than 7 (seven) days after the expiration of the deadline specified in Ditec's invoice, the latter reserves the right to terminate the contract under the Order pursuant to Article 1456 of the Civil Code, without prejudice to compensation for any damage.

9. Drawings and technical documentation

9.1 Drawings and technical specifications of the products subject to the Order are of the exclusive property of Ditec and cannot be reproduced, copied or distributed for any reason. Drawings and technical documents relating to the products or their manufacture, installation or technical verification will not be used - without Ditec's written consent - for purposes other than the ones for which they have been supplied. Without Ditec's consent, the same drawings and documents cannot be otherwise used or copied, reproduced,

sent or communicated to third parties or used for the manufacture, design or any other unauthorized purpose, unless expressly accepted by Ditec.

9.2 Ditec reserves the right to make at any time any necessary changes to the drawings and technical documents supplied along with the products.

10. Intellectual and/or industrial property rights

10.1 The industrial and/or intellectual property rights such as trademarks, logos, patents, signs, whether registered or not, affixed to the products and to all their explanation documents, manuals, technical specifications and other information supplied by Ditec along with the products or in relation to them, shall remain of the exclusive property of Ditec and/or of the relevant owners.

10.2 The Customer will be obliged to indemnify Ditec in respect of any damage, claim, cost and expenses that it may suffer and/or incur as a result of any breach and/or alleged breach by the Customer of patents, trademarks, logos, copyrights, industrial designs, registered and unregistered, and/or any other intellectual and/or industrial property rights.

11. Liability

11.1 The Customer undertakes to use the products purchased from Ditec in accordance with their intended use and to comply with all the rules and procedures of use provided by the technical documentation supplied by Ditec. Ditec will not in any way be liable for defaults, direct and/or indirect damages and losses suffered by the Customer, including its employees, collaborators and/or successors in title, due to injuries, death and/or property damage arising from the use of the products. Under no circumstances Ditec will be liable for damages caused to the Customer itself or to others by negligence, carelessness or inexperience of the Customer after the delivery of the products.

11.2 To this purpose, the Customer declares and agrees to guarantee, indemnify and hold harmless Ditec (including parent companies, subsidiaries, related companies, branches and affiliated companies, their successors in title and assignee), in respect of any claims, costs, lawsuits, proceedings, action, liability, loss, expense, order, decree, rights and legal fees, court costs, including damages of any kind deriving, connected or arising from any actual or alleged personal injury (including death), damage to property or loss of any kind that are assumed to be caused by the use incorrect and/or non-compliant of the products.

12. Force Majeure

12.1 Ditec will not be deemed in default and/or liable vis-à-vis the Customer if it does not perform or delay the delivery of the products as a result of an event beyond its reasonable control, including, but not limited to, strikes, conflicts between employers and employees, fires, floods, natural events, wars, insurrections, vandalisms, sabotage, invasions, insurrections, national emergencies, piracy, hijacking, acts of terrorism, embargoes or restrictions, extreme weather or traffic conditions, temporary closures of roads, laws, regulations, orders or other government's acts or government agencies' acts.

13. Organizational Model pursuant to Italian Legislative Decree no. N. 231/2001 and Ditec's code of conduct

13.1 The Customer declares to have read and to know the content and obligations referred to in the organizational and management model pursuant to Italian Legislative Decree no. n. 231/2001 and in the code of conduct adopted by Ditec and undertakes, also on behalf of its employees and/or collaborators and its affiliated companies, to observe and to comply with - and to cause compliance with - the rules, the procedures and the principles contained in the mentioned documents, as well as to the law provisions relating to anti-bribery, sanctions and export controls.

A copy of the Code of Conduct can be requested at any time to our sales representatives or to our Customer Service.

The Customer also declares and guarantees that neither the Customer itself nor its affiliated companies nor any of its employees/collaborators/directors, is or is owned/controlled by any person subject to the sanctions or export controls of United Nations, United States of America and/or European Union or any other governmental authority and that, in any case, it will not be engaged in any commercial relationship involving these entities and will promptly inform Ditec of any breach of the foregoing, as soon as it becomes aware of it.

13.2 In case of non-compliance by the Customer with the law or with Ditec's Organizational Model and Code of Conduct and, in general, with the provision under point 13.1, Ditec will be entitled to suspend the execution of the contract and to terminate the

contract under these Terms of Sale pursuant to article 1456 of the Civil Code, without any prejudice to the right to ask for compensation for damages arising from the breach.

14. Changes of the Terms of Sale

14.1 These Terms of Sale may be amended by Ditec also depending on any changes in applicable legislation. The Terms of Sale, as amended, will become an integral part of the relationship between Ditec and the Customer as a result of the acceptance of them upon submission of the first Order following the amendment itself.

15. Duration

15.1 These Terms of Sale, without prejudice to what described in point 14.1 above, have an indefinite duration and shall be applied to all the Orders submitted by Customer.

16. Partial invalidity

16.1 The eventual invalidity or unenforceability of a single clause in these Terms of Sale shall not affect or invalidate any other provision provided herein and both parties undertake here and now to replace the term recognized as invalid or ineffective with another term which has, as far as possible, the same or similar effects.

17. Personal data protection

Pursuant to Article 13 of Legislative Decree no. 196/2003, Ditec, as data controller, informs the Customer that the personal data ("**Data**") collected simultaneously with the forwarding of the Orders will be processed for the purpose of the execution by Ditec of the activities necessary to the conclusion, management and execution of the Orders and, in general, for the purpose of the proper performance of the supply contract with the Customer, as well as for the purpose strictly connected and/or necessary to the satisfaction of the requests made from time to time by the Customer and for the fulfillment of the obligations provided by laws, regulations and European legislation, as well as provisions given by authorities legally empowered to do that or by vigilance and control's bodies.

With reference to the above purposes, the processing of Data will be carried out by manual and computerized instruments, in a way strictly linked to such purposes and for the time necessary to fulfill them, as well as, in any case, in a way able to ensure the security and confidentiality of Data through proper procedures that avoid the risk of loss, unauthorized access, improper use and dissemination of Data.

In this regard it should be noted that the collection of the Data is required in order to fulfill the above purposes with the result that, in such circumstances, any refusal of provision of Data will make it impossible for Ditec itself to meet the demands or the choices of Customers.

For the offer of certain services and/or for the performance of certain activities, the processing of Data is carried out both by Ditec directly and by parties external to it, in their quality as data processors and/or data handlers, to whom the Data can be communicated to fulfill the purposes outlined above and in particular to companies belonging to the Group of Ditec (parent, subsidiary and related companies, even indirectly, pursuant to the applicable provisions).

In accordance with Article 7, Italian Legislative Decree no. 196/2003, the Customer may obtain from the data controller or from the data processor the confirmation of the existence or not of their personal Data and that such Data are made available to it in an intelligible form. The Customer can also request to know the origin of Data and the purposes on which the processing is based; to obtain the cancellation, the transformation into anonymous form or the blocking of the data processed infringing laws, as well as the update, the correction or, if there is interest, the integration of data; oppose, for legitimate reasons, the processing itself.

Any requests pursuant to Article 7, Italian Legislative Decree no. 196/2003 shall be addressed to the following address ditecspa@certimpres.it or sent by post to Ditec, Via Vittor Pisani n. 20, 20124 Milan (Italy).

18. Applicable law and competent court

18.1 These Terms of Sale are subject to Italian law.

18.2 Any dispute that may arise between the parties in relation to these Terms of Sale related or in any way connected to the Orders submitted pursuant to them shall be settled exclusively by the Court of Milan.

Dítec

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Cert. No. 0957/6

When building the system, only use Ditec accessories and safety devices.

Every Ditec automation features CE marking and is designed and built in compliance with the safety requirements of the Machinery Directive(2006/42/EC), of the Electromagnetic Compatibility Directive (2014/30/EU) and of the Low Voltage Directive (2014/35/EU) and of other Directives, laws, specific standards for special products and situations.

The Company reserves the right to make changes which may improve the products. For this reason, the technical details given are not binding.

Pictures were taken with the consent of those concerned or in public locations. Further information can be found in the Technical Manuals available at the website:

www.ditecautomations.com