

**Description**

Portalp RS Electro-mechanical drive system for automatic linear sliding & telescopic doors. Internal or external, single or double leaf doors, non fire rated, up to 1 x 250kg leaf weight or up to 2 x 200kg leaf weight



**Product Summary**

Electro-mechanical drive system for automatic linear sliding & telescopic doors

<b>Certification</b>		<b>BIM Assist™</b>	
European Norm	EN16005	<b>CE</b>	
Product Classification	Complies or exceeds the design guidelines as depicted		
EC Certificate of Conformity No.	n/a (No Harmonised European Norm)	<b>BC(A)R Assist™*</b>	
Certifire No.	n/a	<b>Guarantee</b>	<b>1 Year</b>
Declaration of Performance	n/a (No Harmonised European Norm)	Last Reviewed	12/02/2026
Other Test Evidence	n/a	* ROI Only	

*For the purpose of continual product development, KCC reserves the right to change specifications without notice. Please accept all dimensions as approximate. E&OE. © KCC Group 2026.*

## Description

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## Features

- Electro-mechanical drive system for automatic linear sliding & telescopic doors. Internal or external, single or double leaf doors, non fire rated, up to 1 x 250kg leaf weight or up to 2 x 200kg leaf weight
- Compact universal drive with header height of 120mm
- Header options: Standard, reinforced, telescopic 2 leaf, telescopic 3 leaf
- Suitable for a large number of motion cycles. Brushless motor design significantly increases motor life
- Automatic reversal when an obstacle is detected
- Site selectable mode function:
  - Automatic mode: The doors will automatically power open on entry or egress via the activation devices, and automatically close after a preset time
  - Parcel opening: The doors can be programmed to have a limited width opening at certain times for early morning deliveries for example where only the parcel will pass the opening (sometimes called pharmacy opening)
  - Winter opening: The doors can be programmed to have a limited width opening at all times
  - Additional modes: Open, entry only, exit only, closed, manual
  - Interlocking door system function: Where up to three doors work together so that one door will open, when the other(s) are closed. This could be a security feature or could be to create a draught lobby to reduce heat loss (not compliant with emergency exit doors)
- Control via Naviblu and / or via smartphone
- Automatic opening or closing in the event of a power failure (included)
- Battery back-up in the event of power loss
- Electromechanical locking built into the mechanism to firmly lock the leaves

## CAN Bus Technology



- CAN bus connection for direct integration with compatible door operators, enabling digital communication, simplified wiring, and reliable diagnostics
  - Sensors:
    - BEA KAD-IXIO-D-CAN - Opening & Safety Sensor for Automatic Sliding Doors c/w CAN Bus Connection
    - KAD-IXIO-S-CAN - Presence Safety Sensor for Automatic Sliding Doors c/w CAN Bus Connection
  - Control Console
    - KAD-PO/NAV5000125 - Portalp Naviblu Wall Mounted Control Console c/w CAN Bus Connectivity for Portalp RS Drive System

### Technical Characteristics

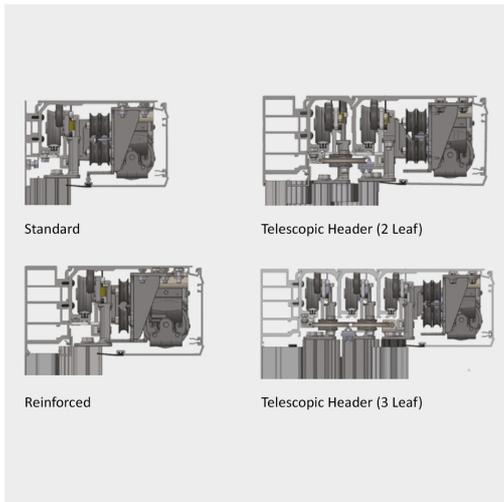


- Mechanical:
  - Casing: Extruded Aluminium, RAL laquered or anodised silver
  - Single door passage width - sliding: 700mm Min / 1800mm Max
  - Single door passage width - 2 leaf telescopic: 800mm Min / 3600mm Max
  - Single door passage width - 3 leaf telescopic: 1400mm Min / 4500mm Max
  - Double door passage width - sliding: 750mm Min / 3400mm Max
  - Double door passage width - 2 leaf telescopic: 1400mm Min / 4200mm Max
  - Double door passage width - 3 leaf telescopic: 2100mm Min / 4500mm Max
  - Passage height: 3100mm Max
- Performance:
  - Leaf weight maximum - Sliding: 1 x 250kg / 2 x 200kg
  - Leaf weight maximum - 2 leaf telescopic: 2 x 90kg / 4 x 70kg
  - Leaf weight maximum - 3 leaf telescopic: 3 x 70kg / 6 x 50kg
  - Opening & closing speed: Single - 10 to 80cm/s - double 20 to 160cm/s
  - Delay, hold-open time: 1 to 60s
  - Opening force: 5.5 to 15 daN
  - Closing force: 5.5 to 15 daN
  - Endurance: Up to 4000 cycles per day
- Electrical & Environment
  - Switched-mode power supply (SMPS): Main 50-60Hz, 110-230V  $\pm$ 10% with earth ground and circuit breaker protection
  - Max./average absorbed power: 70W/35W
  - Motor voltage / emergency battery: 40 Vcc/12 Vcc (2.1A.h)
  - Relative humidity level: 10% to 93% without condensation
  - Operating temperature: -20°C/+60°C - EN16005-compliant emergency exit doors(3):+5°C/+40°C



### Mobile App

- Creation of virtual keys for up to 32 user: Smartphone can lock and unlock the door
- Mode Selection: Automatic, Entry Only, Exit Only, Open, Closed, Small Opening, Large Opening, Safety Opening, Manual, Auxiliary control
- Faults reporting
- Connectivity: Low Energy Bluetooth 4.0 mini
- Application: Smartphone-based control using the Autodoor Pilot app
- Platform: iOS & Android



### Header Options

- Header choice depends on the chosen configuration and the weight of the leaves
  - Standard: H120mm x D197mm
  - Reinforced: H120mm x D236mm
  - Telescopic 2 leaf: H120mm x D296mm
  - Telescopic 3 leaf: H120mm x D357mm

### General Options

- The following are options:
  - Electromechanical locking
  - Manual inside unlocking
  - Manual outside unlocking (on fixed or jamb)
  - Fail safe lock
  - Motorized security lock RC2
  - Motorised emergency exit (dual motor) - EN16005
  - Bungee system (IME-CO48)
  - Interlock module
  - In & Out radar (NO, NC, monitored) / Outside radar (NO, NC)
  - Open/Closing safety sensors (NO, NC, IR curtains)
  - NAVIBLU CAN control console
  - Infrared remote control combined with NAVIBLU
  - 6-position key selector (with reset)
  - Inputs module (NO/NC/Frequency)
  - Outputs module (2 relays)
  - Floor guide rail
  - Multi-part header
  - Header locking by key
  - PPC Ral finish, silver anodized, anodized color Special coating (on request)





#### Standards

- European directives: Electromagnetic compatibility: directive 2014/30/UE, Machinery : directive 2006/42/EC, Radio : directive 2014/53/UE
- EN 61000-6-3: EMC: emission for residential, commercial and light industrial environments
- EN 61000-6-2: EMC: immunity for industrial environments
- EN 60335-1/-2-103: Safety of household and similar electrical appliances
- EN 16005: Motorized pedestrian doors: user safety
- ANSI 156-10: Automatic pedestrian doors
- NFPA 101: Life safety code
- UL 325: Power door operators
- FCC part 15: Unintentional radiators

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## Specification Text

### DOOR AUTOMATION

- Manufacturer: Portalp
- Product reference: KAD-PO/RS
- Type: Portalp Automatic Door System for Linear Sliding Doors up to 1 x 250kg Leaf Weight or 2 x 200kg Leaf Weight
- Header: [SPECIFY]
- Finish: [SPECIFY]
- Operator construction: Aluminium
- Dimensions: H120mm
- Mechanical:
  - Casing: Aluminium
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