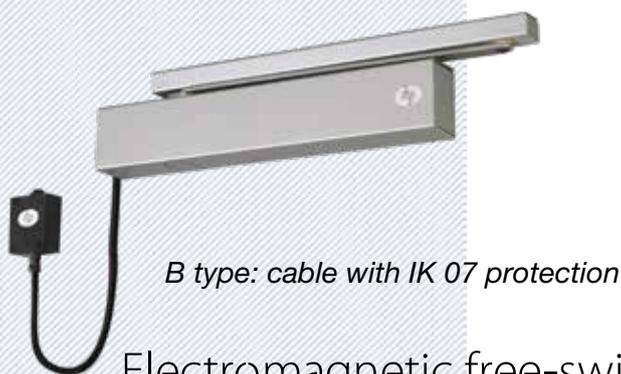


# GR500 FS



Electromagnetic free-swing door closer with slide arm



Firewall Certification  
EN 1634 Standard

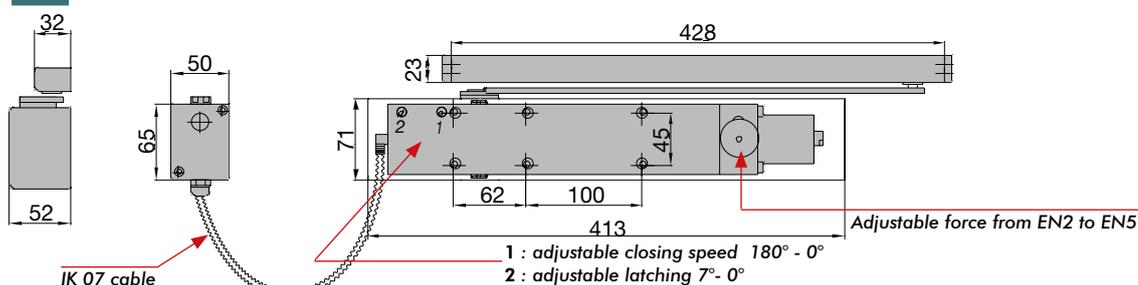
## GROOM PRODUCT ADVANTAGES

- No effort required in opening and closing the door: «Free door»
- Free swing function from a door opening angle  $> 0^\circ$
- Automatic closing of the door leaf upon activation of the fire alarm: then it performs like a normal door closer
- No local reset required: ease of use
- Power supply in 24/48 Vcc with automatic selection
- Compliance with NFS 61937-1 et NFS 61937-2
- Force 2 to 5 adjustable by jack
- Opening angle up to  $180^\circ$  on pull side
- Invisible fixings and adjustable screws hidden in its cover
- Aesthetic, arm without any visible fixing
- Adaptable to our SLV V2 selector strip for two-door door units equipped with a GR500 FS on the service leaf and a GR400 or GR500 on the semi-fixed
- Fitting on any type of support (wood, aluminum, PVC)
- Sustainable and continuous adjustments thanks to its thermostable technology

TECHNICAL CHARACTERISTICS	GR500 FS
Closing force	EN 2-5
Maximum dimension of the door	$< 1250$ mm
Tested to EN 1154	YES
Tested to EN 1155	YES
CE mark for construction products	YES
Fire door, anti-flame and smoke check doors	YES
Adjustable closing speed by grub screw on front $180^\circ - 0^\circ$	YES
Adjustable latching by grub screw on front $7^\circ - 0^\circ$	YES
Automatic selection 24/48 Vcc	YES
Power consumption	2,6 W
IP 42 protection (protection against penetration of foreign solids and penetration of water)	YES
IK 07 protection (protection against external mechanical impacts)	YES
Door leaf fixing on pull side or transom fixing, push side, cable with IK 07 protection	B TYPE
Transom fixing, pull side, no visible cable	G TYPE
Slide arm	YES
Standard color: silver	YES
RAL colors	OPTION

Compliance with NFS 61937-2, PV DAS approved with most technical door manufacturers

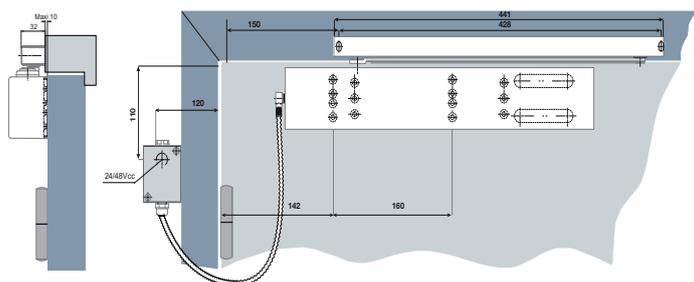
## > DOOR-CLOSER DESIGN



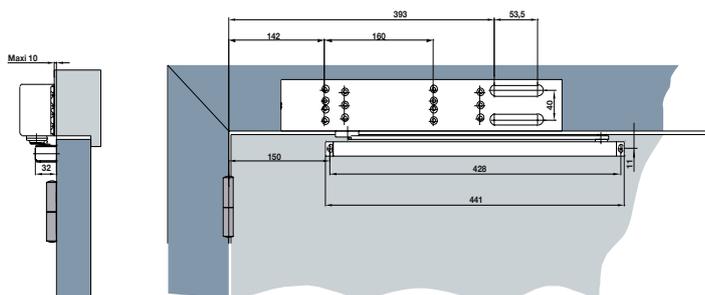
FREE-SWING DOOR CLOSER



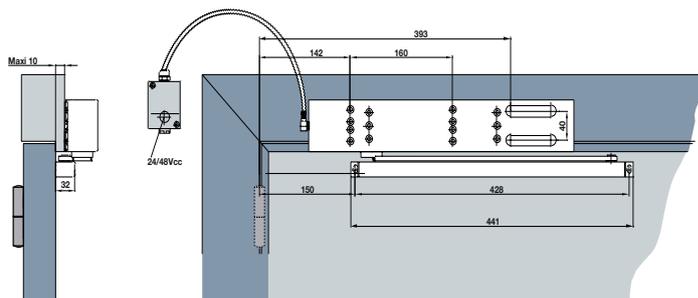
Fitted on pull side body on door - B type



Fitted on pull side body on frame - G type



Fitted on push side body on frame - B type



> DESCRIPTION

Smart free swing door closer GROOM GR500 FS, slide arm, compliance with EN 1154, EN 1155, CE mark, compliance with NFS 61937-1 et NFS 61937-2.

- G type fixing with automatic voltage selection 24/48Vcc integrated into the door closer, without visible cable.
- No effort required in opening and closing the door: «Free door» from an opening angle > 0°
- No local reset required
- Automatic closing of the leaf by order of the fire station allowing to ensure firestopping.
- Adjustable force 2 to 5 using jack for doors up to 1250 mm width and / or 100 kg with an opening angle up to 180°.
- Closing speed and latching adjustments by grub screw on front and hidden under the cover plate. Invisible body and arm fixings.
- 3 fixing types: on pull side, body on door or on frame and on push side, body on frame
- G type installation with automatic voltage selection 24/48Vcc integrated in the door closer, without visible cable.
- B type installation with automatic voltage selection 24/48Vcc integrated in the door closer, cable with IK 07 protection.
- Reversible, non-handed.
- Power supply from fire station in 24/48 Vcc fail secure with automatic selection.
- IP 42 protection against penetration of foreign solids and penetration of water.
- Thermostable hydraulic from -20° to +40°.
- Door closer equipped with pressure relief valves.
- Silver, RAL finishes.

Compliance with NFS 61937-2, PV DAS approved with most technical door manufacturers

REFERENCES	GR500 FS
GR50051XFS	GR500 FS B TYPE BODY MOUNTING ON DOOR ON PULL SIDE OR ON FRAME ON PUSH SIDE

**Code X = Finish Code**  
 1 = silver  
 8 = other RAL (option)

GR50551XFS	GR500 FS G TYPE BODY MOUNTING ON FRAM ON PULL SIDE
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