

FRA 11-BSY+



Informações sobre o produto:

- » Controlado por microprocessador para comunicação e controlo sequencial de atuadores ligados através de BSY+ e PLP
- » Para montagem em fechaduras standard com distância de furação de 43mm e 7mm de eixo quadrangular.
- » Necessária opção BRV para atuadores PLP ou VP para atuadores BSY+ / ACB.
- » Possibilidade de instalar até 4 FRA 11 BSY+ numa única janela.
- » Indicação de posição de motor.
- » LED status display for the drive
- » Trinco automático das janelas.
- » Maior protecção contra intrusão

Certificados



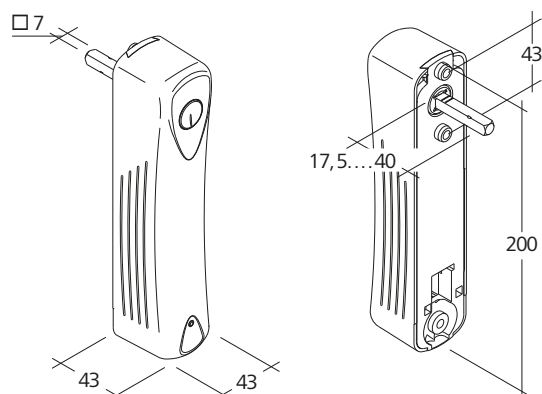
Opcionais

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Dimensões

(mm)



Informação Técnica

Para mais informação contactar.

	FRA 11-BSY+
Alimentação	24 V DC / $\pm 15\%$ / 1 A
Seviço	30 % (ON: 3 min. / OFF: 7 min.)
Torque	10 Nm *
Ângulo de rotação	90° / 180°
Ciclos de Cursos	> 10000 ciclos
Classe proteção	IP 40
Nível de Pressão Sonora	LpA \leq 70 dB(A)
Intervalo de temperatura	-5 °C ... +75 °C
Resistência ao Fogo	B300 (30 min / 300 °C)
Estrutura	Poliamida
Acabamento	Pintado
Cor	Cinza Prata (~ RAL 9006)
Ligação	2.5 m cabo de silicone
L x H x P	43 x 200 x 43 mm
Peso	0.75 kg

Design

Tipo	Art. No.	Observações
FRA 11-BSY+	24.000.11	
FRA-BSY+	24.000.10	Diversas possibilidades



HS "High speed"

In the case of SHEV, the high-speed function is used for reliably reaching the defined end position in 60 s. In daily ventilation mode, the drive runs quietly and quickly, as usual.



Function programming

Option for customised configuring of drive parameters (e.g. stroke) via software and associated service tools for drives equipped with PLP, BSY or BSY+ electronics.



BRV signal

Acknowledgement from the drive, via a control cable, to confirm that it has been completely extended or retracted. When used with the AT 41 and ERM 44 modules, this signal is sent to the central building control system, the modules themselves, or to the locking drive. The BRV signal is not isolated.



ACB (Advanced Communication Bus)

Enables direct bus communication between the controller and the drive for, for example, control with perfect positioning or drive feedback. Communication is via the open source Modbus protocol, and it enables the drive to be combined with an ACB-capable control panel or enables it to be directly connected to higher-level controllers such as a building management system.



BSY+ (synchronisation of drives)

BSY+ enables communication and synchronisation between different components in the window. For example between the chain drives, during synchronous operation, or between window and locking drives (e.g. FRA 11 BSY+ or VLD-BSY+).



SGI signal (position reporting)

In combination with the D+H servo plug-in unit SE 622 or the BSY-gateway BSY-GW-024-010-U, the drives can be controlled with perfect positioning.



SKS (closing edge protection)

Drive option, which enables an anti-trap strip or presence detector to be connected directly to the drive (terminal resistor 5.6 kΩ).



Audible signal (corresponding to protection class)

AS2 corresponding to "Protection class 2" in accordance with ZVEI risk assessment through an audible warning signal in the "CLOSED" running direction. AS3 corresponding to "Protection class 3" in accordance with ZVEI risk assessment, in addition to AS2, stops the drive for 11 s with a remaining stroke of 28 mm.



End position message (OPEN / CLOSED)

Drive feedback via an integrated isolated switching contact. This happens if the chain / rack and pinion has moved completely out or in.



SBD side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).



SBU side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).



WS (use in swimming pool)

Available as an option for rack and pinion drives to make them suitable for use in swimming pools. The drive is equipped with an A4 rack and pinion, A4 eyebolt and a gearbox with hardened stainless steel pinion.



W (use outdoors)

Available as an option for rack and pinion drives to make them suitable for outdoor use. The drive is equipped with a pressure release vent (depending on installation), condensation protective coating on the electronics and a gearbox with hardened stainless steel pinion.