

1 Enclosures, terminal boxes, construction site boxes

8 EX-PRESS pressurized enclosures Exp

2 Pressurized enclosure pz - zone 2 and 22 Serie FS830 / FS840

The use of pressurized enclosures allows the operation of «non explosion protected» devices in hazardous areas zone 2 and 22. The protection type «pressurisation» is based on the principle of maintaining a constant pressure using air or a protective gas to prevent an explosive mixture forming near the apparatus inside the pressurized enclosure. More information in the document “Reduced Pressurized System ExnP”.

II 3 G Ex nA nC ic [pz] IIC T6 Gc

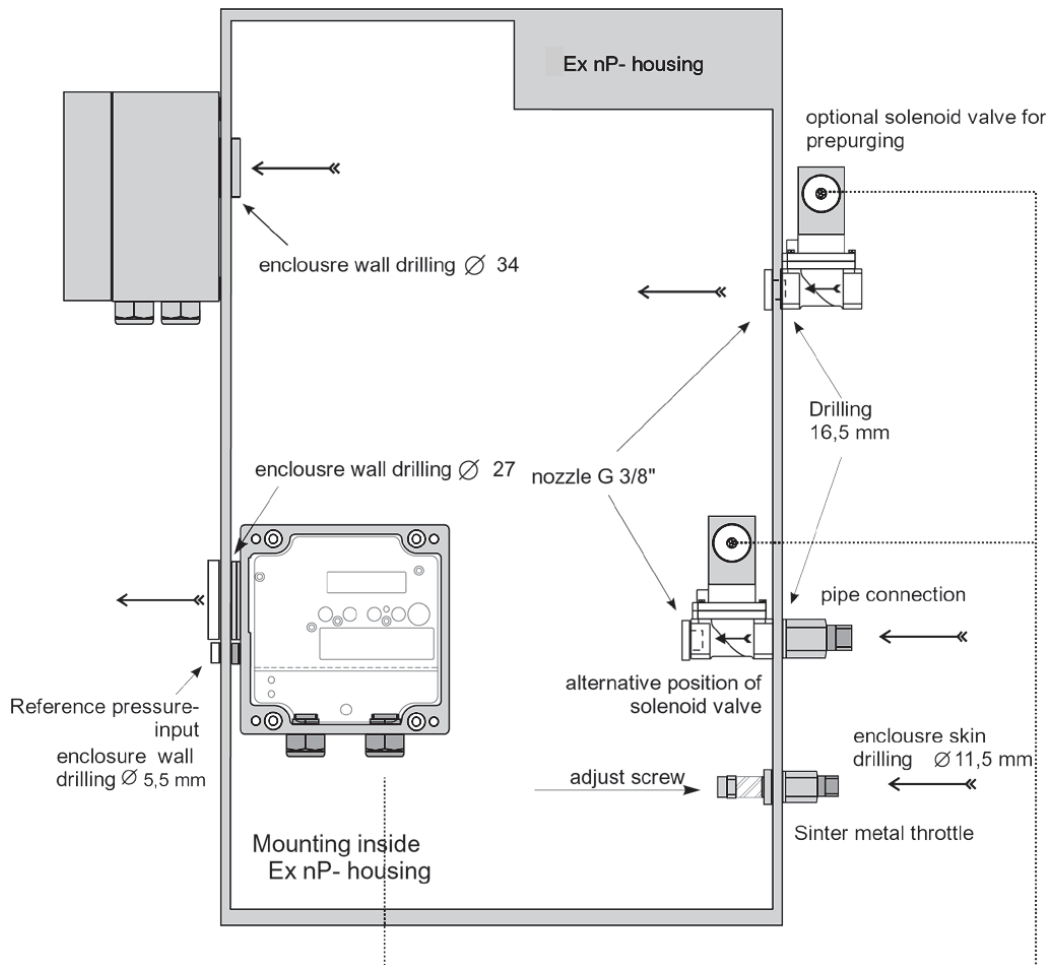
II 3 D Ex tc ic [p] IIIC T85°C Dc

Zone 0	✗	Zone 20	✗
Zone 1	✗	Zone 21	✗
Zone 2	✓	Zone 22	✓

TUV03ATEX2095X

Specifications

Protection	IP65, without outlet drill
Material	aluminium RAL7035
EEx p configuration (parameter input)	LC-Display, menu guided (different languages: German, English, French and Dutch)
Storage (memory)	by EEPROM double saved
Pneumatic pressure range	0 ... 22 mbar
Switching capacity	<ul style="list-style-type: none"> • AC: U ≤ 250VAC, I ≤ 5A (AC1), P ≤ 1500VA • DC: U ≤ 30VDC, I ≤ 4A, P ≤ 150W ca. 2VA without peripherals
Consumption	position independent (see drawings)
Mounting position	
Ambiant temperature	<ul style="list-style-type: none"> • -20°C - +40°C (T6) • -20°C - +60°C (T5)



Ordering data

Code	Voltage	Panel type
FS840.0	230VAC	Surface
FS840.2	120VAC	Surface
FS840.6	24VDC	Surface
FS830.0	230VAC	recessed
FS830.2	120VAC	recessed
FS830.6	24VDC	recessed

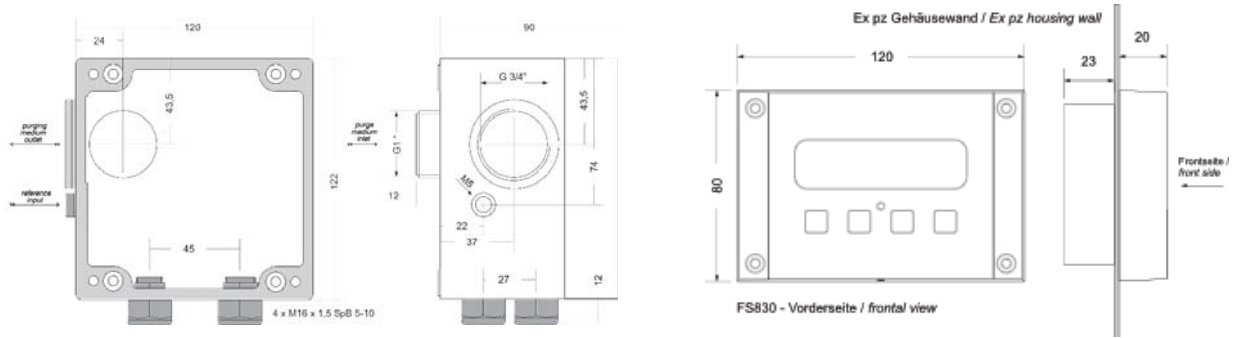


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Dimensional sketches



Accessories

Magnetic solenoid valve and adjustable Sinter metal throttle

Code	Description	Voltage	Nozzle	Housing volume
SD840	adjustable Sinter metal throttle			
SVD.L.2-230VAC	digital magnetic solenoid valve	42VAC	2,0 mm	
SVD.L.3-42VAC	digital magnetic solenoid valve	42VAC	3,0 mm	
SVD.L.5-42VAC	digital magnetic solenoid valve	42VAC	5,0 mm	
SVD.L.1.5-42VAC	digital magnetic solenoid valve	42VAC	1,5 mm	
SVD.L.4-42VAC	digital magnetic solenoid valve	42VAC	4,0 mm	
SVD.L.5-110VAC	digital magnetic solenoid valve	110VAC	5,0 mm	
SVD.L.2-110VAC	digital magnetic solenoid valve	110VAC	2,0 mm	
SVD.L.3-110VAC	digital magnetic solenoid valve	110VAC	3,0 mm	
SVD.L.4-110VAC	digital magnetic solenoid valve	110VAC	4,0 mm	
SVD.L.1-24VAC	digital magnetic solenoid valve	24VAC	1,0 mm	
SVD.L.1-42VAC	digital magnetic solenoid valve	42VAC	1,0 mm	
SVD.L.2-24VAC	digital magnetic solenoid valve	24VAC	2,0 mm	
SVD.L.2-24VDC	digital magnetic solenoid valve	24VAC	2,0 mm	
SVD.L.3-24VDC	digital magnetic solenoid valve	24VAC	3,0 mm	
SVD.L.4-24VDC	digital magnetic solenoid valve	24VAC	4,0 mm	
SVD.L.5-24VDC	digital magnetic solenoid valve	24VAC	5,0 mm	
SVD.L.1.5-24VDC	digital magnetic solenoid valve	24VAC	1,5 mm	
SVD.L.1-24VDC	digital magnetic solenoid valve	24VAC	1,0 mm	
SVD.L.1.5-110VAC	digital magnetic solenoid valve	110VAC	1,5 mm	
SVD.L.3-24VAC	digital magnetic solenoid valve	24VAC	3,0 mm	
SVD.L.4-24VAC	digital magnetic solenoid valve	24VAC	4,0 mm	
SVD.L.5-24VAC	digital magnetic solenoid valve	24VAC	5,0 mm	
SVD.L.1.5-24VAC	digital magnetic solenoid valve	24VAC	1,5 mm	
SVD.L.1-110VAC	digital magnetic solenoid valve	110VAC	1,0 mm	
SVD.L.4-230VAC	digital magnetic solenoid valve	230VAC	4,0 mm	
SVD.L.5-230VAC	digital magnetic solenoid valve	230VAC	5,0 mm	
SVD.L.3-230VAC	digital magnetic solenoid valve	230VAC	3,0 mm	
SVD.L.2-230VAC	digital magnetic solenoid valve	230VAC	2,0 mm	
SVD.L.1.5-230VAC	digital magnetic solenoid valve	230VAC	1,5 mm	
SVD.L.1-120VAC	digital magnetic solenoid valve	120VAC	1,0 mm	
SVD.L.1-230VAC	digital magnetic solenoid valve	230VAC	1,0 mm	
SVD.L.5-120VAC	digital magnetic solenoid valve	120VAC	5,0 mm	
SVD.L.4-120VAC	digital magnetic solenoid valve	120VAC	4,0 mm	
SVD.L.3-120VAC	digital magnetic solenoid valve	120VAC	3,0 mm	
SVD.L.2-120VAC	digital magnetic solenoid valve	120VAC	2,0 mm	
SVD.L.1.5-120VAC	digital magnetic solenoid valve	120VAC	1,5 mm	
LA830.0.0	outlet valve			

