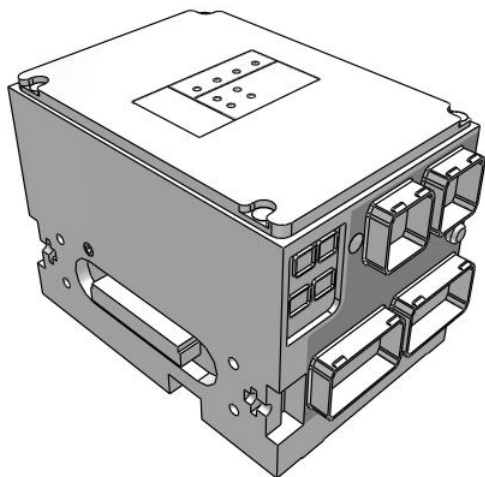




EX245, SI Unit, Compact EX245-SPN1A

Datasheet

General series information

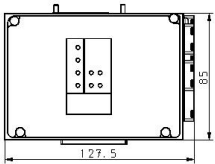
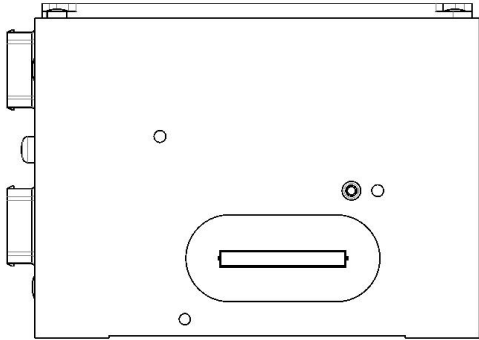
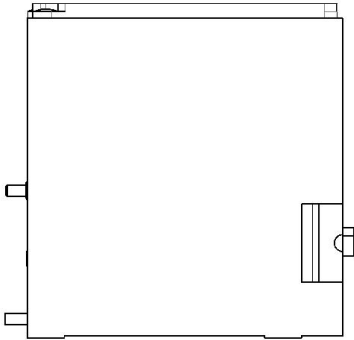
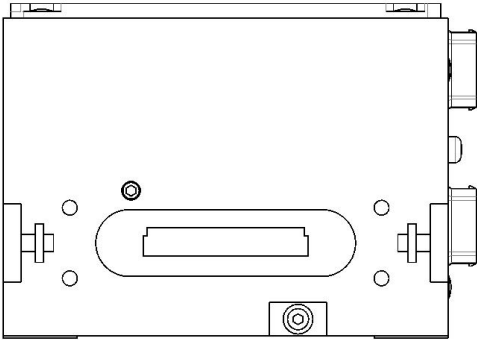
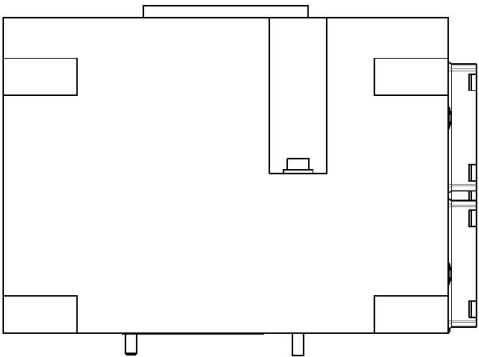
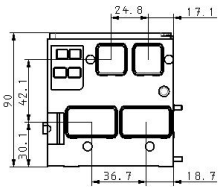
- AIDA specifications compliant.
- Compatible with PROFIsafe
- Compatible protocol PROFINET.
- Push Pull, M12 connectors.
- Max. 32 valves.
- Max. 128 inputs; Max. 64 outputs.
- Applicable valve series: JSY3000, JSY5000, SY3000, SY5000, VQC2000, VQC4000.

Standard specifications

Protocol	SPN (PROFINET)
Connector Type	1A [Communication Connector: Push Pull Connector (SCRJ): 2 pcs.; Power Supply Connector: Push Pull Connector (24 V): 2 pcs.]
Operating humidity range	Operating, Stored: 35 to 85 % RH (No condensation)
Applicable load	Solenoid valve with surge voltage suppressor of 24 VDC, 1 W or less (SMC)
Output type	Source/PNP (Negative common)
Protocol	PROFINET
Number of outputs	32
Communication speed	100 Mbps full duplex
Enclosure	IP65 (Manifold assembly, With seal cap)
Power supply voltage	24 VDC
Operating temperature range	Operating: -10 to 50 °C, Stored: -20 to 60 °C (No condensation)
Short-circuit protection	Yes
Withstand voltage	500 VAC for 1 minute between external terminals and FE

Insulation resistance	500 VDC, 10 MΩ or more between external terminals and FE
Standards	CE
F456 - Device type	PROFINET IO
Configuration file	GSD
F458 - Applicable function	MRP function MRPD function Fast Start Up function Shared Device function PROFenergy function Web server function FW update function Conformance Class C NET Load Class III
F459 - Inter. current cons.	300 mA
F460 - Loop through current	16 A
F461 - Operating voltage US1	24 VDC +20 %, -15 %/6 A
F462 - Operating voltage US2	24 VDC +20 %, -15 %/4 A
F463 - Power supply intensity	2 A
Max. Number of modules	8
Max. number of digital inputs	128
F466 - Max.number of dig.outputs	64
Weight	0.465 Kg

Dimensions



Additional information

Catalogue	EX245-B_EU.pdf
Declaration of conformity	newDoc_EX245_TF1V132EN-A.pdf.pdf newDoC_EX245-FPS_TF1Y095EN-C.pdf newDoC_EX245_TF1Y094EN.pdf
Installation manuals	IM_EX245-SPN_TF2Z184EN-A.pdf IM_EX245-FPS_TF2Z442EN.A.pdf IM_EX245-SPN_TF2Z191EN-A.pdf
Operation manuals	OM-EX245-FPS_OMY0004EN.pdf OM_EX24-FPS_OMZ0002EN-A.pdf OM_EX245-SPN_OMW0011EN-C.pdf OM_EX245_OMU0020EN.pdf