

FBPN-1616N-TS

ARTICLE PROPERTIES

PRODUCT TYPE	Wide form digital I/O modules	PRODUCT GROUP	IP20 Compact I/O
DESCRIPTION	IP20 wide form 16-channel digital input and 16-channel digital output module, NPN, PROFINET, 24 V DC, IP20, DIN rail installation	PU	1 pc
		COUNTRY OF ORIGIN	CN

TECHNICAL DATA

COMMUNICATION PROTOCOL	PROFINET	INPUT FILTERING DELAY	Multiple filter strengths can be configured
PROFINET I/O FEATURES	Integrierter 2-Port-Switch; Autonegotiation; MRP	NUMBER OF DIGITAL OUTPUTS	16
TRANSMISSION MEDIUM	Twisted pair S-UTP; 100 Ω; Cat. 5	OUTPUT TYPE	NPN
TRANSMISSION RATE	10/100 Mbit/s (10 Mbit/s (ETHERNET protocols), 100 Mbit/s full duplex (PROFINET IO))	OUTPUT VOLTAGE	24 V DC
BUS SEGMENT LENGTH (MAX.)	100 m	OUTPUT CURRENT	Max. 0.5 A per channel, total 4 A per module
BUS NODE ADDRESS	Set by PLC configuration software	OUTPUT LOAD TYPES	Resistive loads, inductive loads, lamps
NUMBER OF DIGITAL INPUTS	16	SWITCHING FREQUENCY	Max. 1 kHz (Resistive loads) Max. 1 Hz (Inductive loads) Max. 10 Hz (Lamps)
INPUT TYPE	NPN	CURRENT CONSUMPTION (5 V)	65 mA
INPUT SIGNAL '0'	0 ... 5 V DC	PROCESS DATA LENGTH	Input 2 bytes, output 2 bytes
INPUT SIGNAL '1'	18 ... 30 V DC	FAULT DIAGNOSIS METHOD	LED, communication message
INPUT CURRENT PER CHANNEL FOR SIGNAL '1'	Typ. 4 mA	FAULT DIAGNOSIS METHOD	LED, communication message

CONNECTION DATA

WIRE CONNECTION	Plug-in terminal block	STRIPPED LENGTHS	8 ... 10 mm, 0.315 ... 0.394 in
CROSS SECTION	0.08 mm ² ... 2.5 mm ² , AWG 28 ... 14		

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ENVIRONMENTAL REQUIREMENTS

PROTECTION CLASS	IP20	ELECTRICAL FAST TRANSIENT (EFT)	Level A, per IEC 61000-4-4
MOUNTING TYPE	DIN-35mm rail	ELECTRO-STATIC DISCHARGE (ESD)	Level A, per IEC 61000-4-2
AMBIENT TEMPERATURE	-5 ... +60 °C	SURGE TEST	Level A, per IEC 61000-4-5
STORAGE TEMPERATURE	-25 ... +70 °C	VIBRATION RESISTANCE	4 g, per IEC 60068-2-6
RELATIVE HUMIDITY	95%, non-condensing	SHOCK RESISTANCE	15 g, per IEC 60068-2-27
OPERATING ALTITUDE	0 ... 2000 m / 0 ... 6562 ft	EU ROHS COMPLIANCE STATUS	Yes
POLLUTION DEGREE	2, per IEC 61131-2	MATERIAL COMPLIANCE	Compliant with REACH

GENERAL DATA

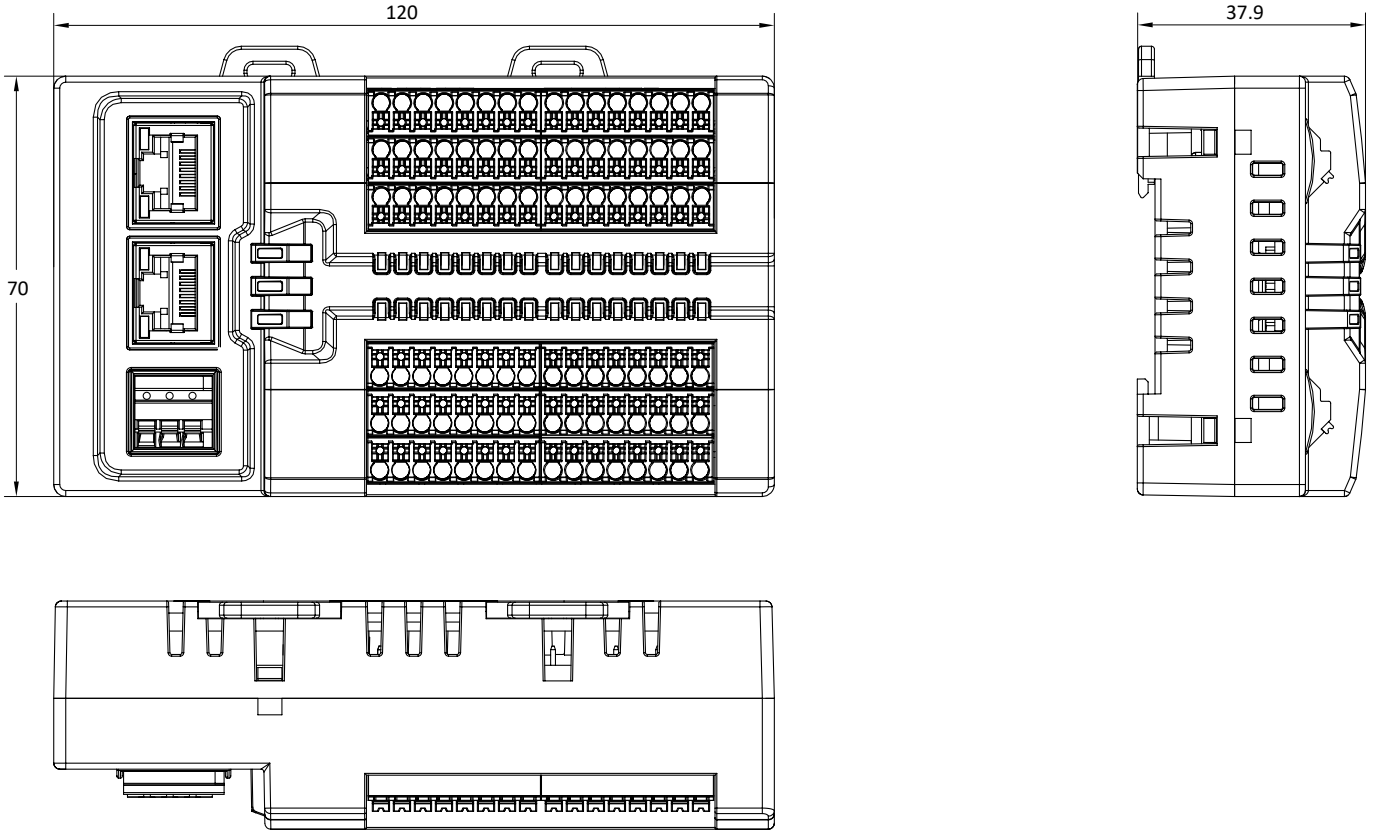
HOUSING MATERIAL	PPE	DIMENSIONS (H X W X D)	70 x 120 x 37.9 mm
WEIGHT	240 g	MTTF (25 °C)	90 years
COLOR	Dark gray	APPROVALS	CE

APPROVALS

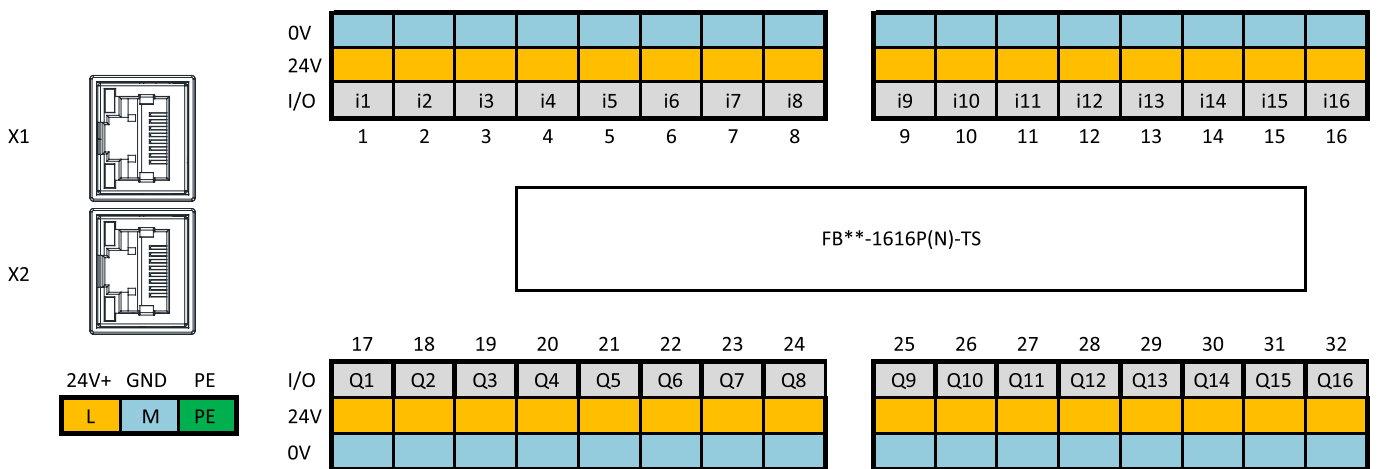


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DIMENSIONS (mm)



TERMINAL DEFINITION



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SALES AND SERVICE

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