

FBPN-3200N-TS

ARTICLE PROPERTIES

PRODUCT TYPE	Wide form digital I/O modules	PRODUCT GROUP	IP20 Compact I/O
DESCRIPTION	IP20 wide form 32-channel digital input module, NPN, PROFINET, 24 V DC, IP20, DIN rail installation	PU	1 pc
		COUNTRY OF ORIGIN	CN

TECHNICAL DATA

COMMUNICATION PROTOCOL	PROFINET	INPUT SIGNAL '0'	0 ... 5 V DC
PROFINET I/O FEATURES	Integrierter 2-Port-Switch; Autonegotiation;MRP	INPUT SIGNAL '1'	18 ... 30 V DC
TRANSMISSION MEDIUM	Twisted pair S-UTP; 100 Ω; Cat. 5	INPUT CURRENT PER CHANNEL FOR SIGNAL '1'	Typ. 4 mA
TRANSMISSION RATE	10/100 Mbit/s (10 Mbit/s (ETHERNET protocols), 100 Mbit/s full duplex (PROFINET IO))	INPUT FILTERING DELAY	Multiple filter strengths can be configured
BUS SEGMENT LENGTH (MAX.)	100 m	CURRENT CONSUMPTION	60 mA
BUS NODE ADDRESS	Set by PLC configuration software	PROCESS DATA LENGTH	Input 4 bytes
NUMBER OF DIGITAL INPUTS	32	FAULT DIAGNOSIS METHOD	LED, communication message
INPUT TYPE	NPN		

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		

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

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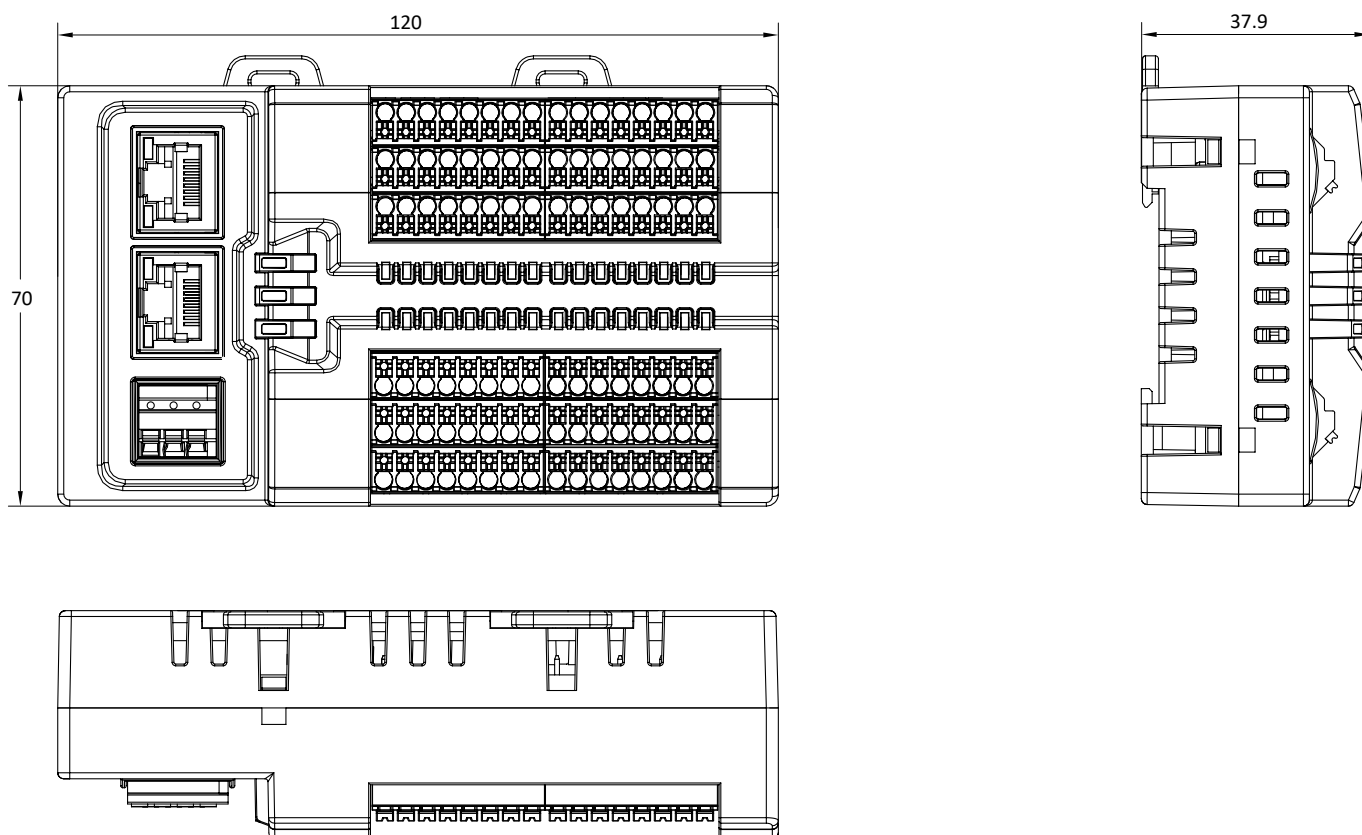
GENERAL DATA

HOUSING MATERIAL	PPE	DIMENSIONS (H X W X D)	70 x 120 x 37.9 mm
WEIGHT	240 g	MTTF (25 °C)	81 years
COLOR	Dark gray	APPROVALS	CE

APPROVALS



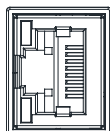
DIMENSIONS (mm)



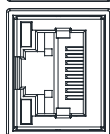
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TERMINAL DEFINITION

X1

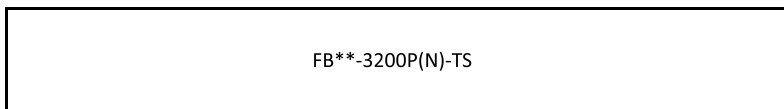


X2



24V+	GND	PE
L	M	PE

0V																
24V																
I/O	i1	i2	i3	i4	i5	i6	i7	i8	i9	i10	i11	i12	i13	i14	i15	i16
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16



	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
I/O	i17	i18	i19	i20	i21	i22	i23	i24	i25	i26	i27	i28	i29	i30	i31	i32
24V																
0V																

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