

FBEC-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, EtherCAT, 24 V DC, IP20, DIN rail installation	PU	1 pc
		COUNTRY OF ORIGIN	CN

TECHNICAL DATA

COMMUNICATION PROTOCOL	EtherCAT	INPUT SIGNAL '0'	0 ... 5 V DC
TRANSMISSION MEDIUM	Shielded twisted pair S/FTP, F/FTP or SF/FTP; 100 Ω; Cat. 5	INPUT SIGNAL '1'	18 ... 30 V DC
TRANSMISSION RATE	100 Mbit/s	INPUT CURRENT PER CHANNEL FOR SIGNAL '1'	Typ. 4 mA
BUS SEGMENT LENGTH (MAX.)	100 m	INPUT FILTERING DELAY	Multiple filter strengths can be configured
BUS NODE ADDRESS RANGE	Address allocation by PLC	CURRENT CONSUMPTION (5 V)	60 mA
NUMBER OF DIGITAL INPUTS	32	PROCESS DATA LENGTH	Input 4 bytes
INPUT TYPE	NPN	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		

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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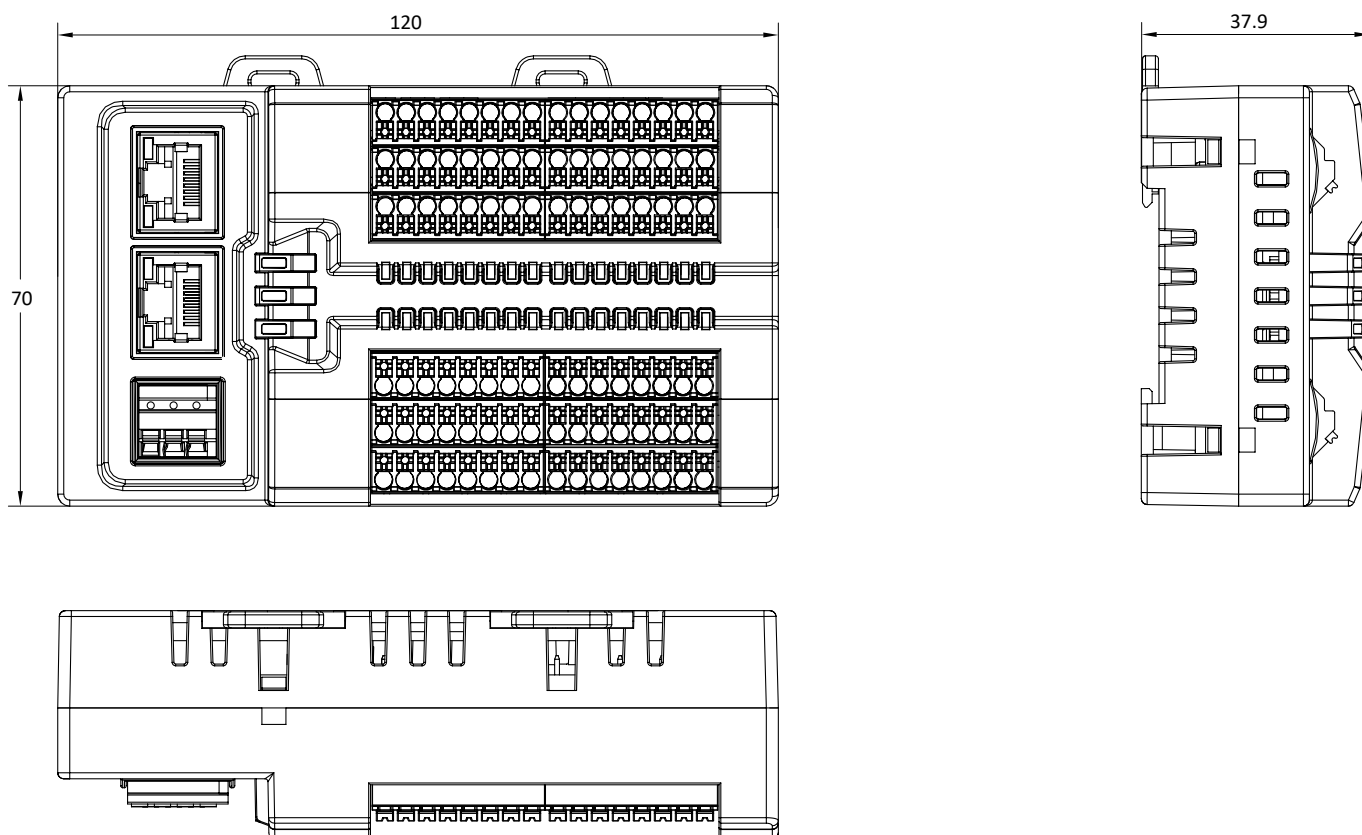
GENERAL DATA

HOUSING MATERIAL	PPE	DIMENSIONS (H X W X D)	70 x 120 x 37.9 mm
WEIGHT	240 g	MTTF (25 °C)	87 years
COLOR	Dark gray	APPROVALS	CE

APPROVALS



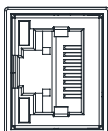
DIMENSIONS (mm)



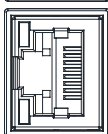
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TERMINAL DEFINITION

X1

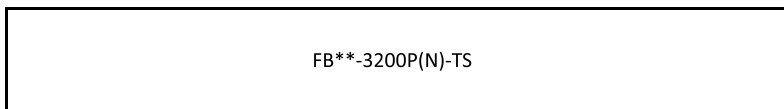


X2



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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