

FX20-GW-EC00

ARTICLE PROPERTIES

PRODUCT TYPE	FX20 series modular I/O system EtherCAT adapter	PRODUCT GROUP	IP20 modular I/O system
DESCRIPTION	Gateway module for EtherCAT, 2 x RJ45, max. 32 cascable modules, 24 V DC, IP20, DIN rail installation, overcurrent / reverse polarity / surge protection	PU	1 pcs
		COUNTRY OF ORIGIN	CN

TECHNICAL DATA

COMMUNICATION PROTOCOL	EtherCAT	SUPPLY VOLTAGE (SYSTEM)	24 V DC ($\pm 20\%$)
TRANSMISSION MEDIUM	Shielded twisted pair S/FTP, F/FTP or SF/FTP, 100 Ω , Cat. 5	INPUT CURRENT (TYP.) AT NOMINAL LOAD (24 V)	200 mA
TRANSMISSION RATE	100 Mbit/s	BACKPLANE POWER SUPPLY VOLTAGE	5 V DC
BUS SEGMENT LENGTH (MAX.)	100 m	BACKPLANE POWER SUPPLY CURRENT (MAX.)	3 A
BUS NODE ADDRESS RANGE	Address allocation by PLC	ELECTRICAL ISOLATION	500 V (power supply and bus)
NUMBER OF MODULES PER NODE (MAX.)	32	POWER PROTECTION	Overcurrent protection, reverse polarity protection, surge protection
INPUT AND OUTPUT PROCESS MAPPING (MAX.)	512 bytes / 512 bytes	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-35 mm 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

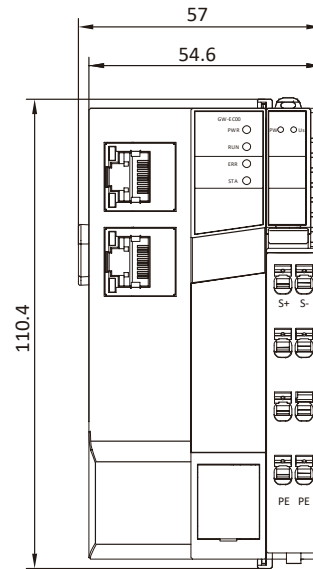
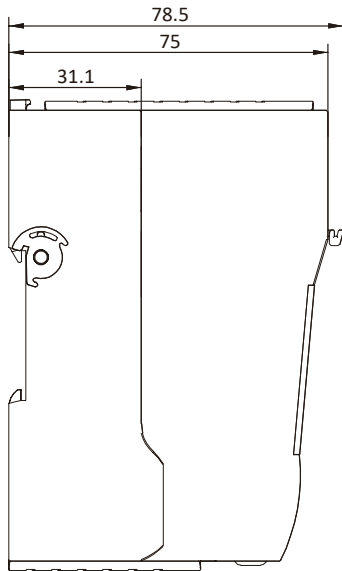
HOUSING MATERIAL	PPE	DIMENSIONS (H X W X D)	110.4 x 57 x 78.5 mm
WEIGHT	230 g	MTTF (25 °C)	111 years
COLOR	Light gray	APPROVALS	CE

APPROVALS



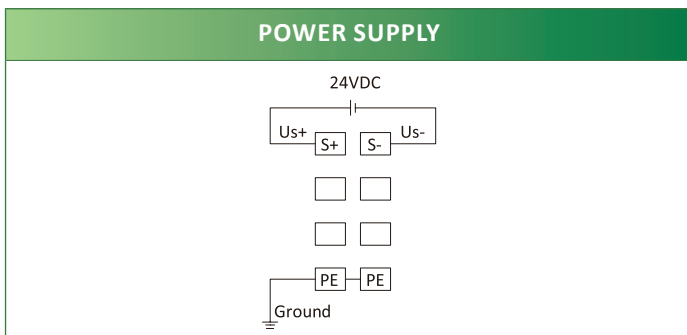
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DIMENSIONS



WIRING DIAGRAM

BUS IN (X1)		BUS OUT (X2)	
	1 - TD+ : Tranceive Data+		1 - TD+ : Tranceive Data+
	2 - TD- : Tranceive Data-		2 - TD- : Tranceive Data-
	3 - RD+ : Receive Data+		3 - RD+ : Receive Data+
	6 - TD- : Receive Data-		6 - TD- : Receive Data-



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