

FX20-GW-PN00

ARTICLE PROPERTIES

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

TECHNICAL DATA

COMMUNICATION PROTOCOL	PROFINET	SUPPLY VOLTAGE (SYSTEM)	24 V DC ($\pm 20\%$)
PROFINET I/O FEATURES	Integrierter 2 port switch, autonegotiation, MRP	INPUT CURRENT (TYP.) AT NOMINAL LOAD (24 V)	200 mA
TRANSMISSION MEDIUM	Twisted pair S-UTP, 100 Ω , Cat. 5	BACKPLANE POWER SUPPLY VOLTAGE	5 V DC
TRANSMISSION RATE	10/100 Mbit/s, 10 Mbit/s (ETHERNET protocols), 100 Mbit/s full duplex (PROFINET IO)	BACKPLANE POWER SUPPLY CURRENT (MAX.)	3 A
BUS SEGMENT LENGTH (MAX.)	100 m	ELECTRICAL ISOLATION	500 V (power supply and bus)
BUS NODE ADDRESS	Set by PLC configuration software	POWER PROTECTION	Overcurrent protection, reverse polarity protection, surge protection
MAX. NUMBER OF CASCADABLE MODULES	32	FAULT DIAGNOSIS METHOD	LED, communication message
INPUT AND OUTPUT PROCESS MAPPING (MAX.)	1440 bytes / 1440 bytes		

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

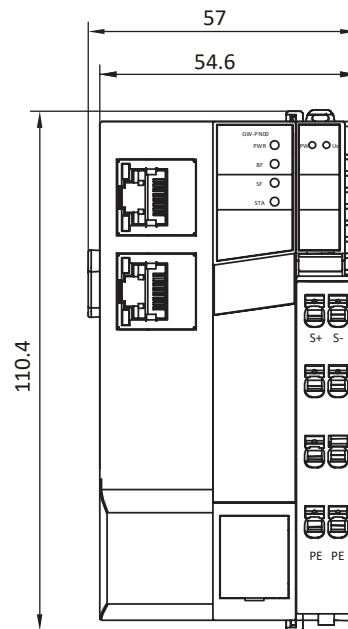
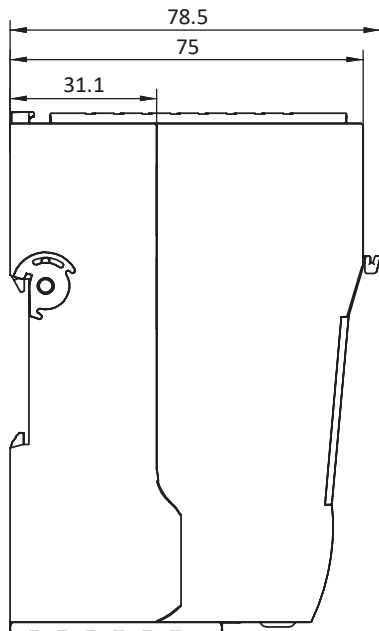
HOUSING MATERIAL	PPE	DIMENSIONS (H X W X D)	110.4 x 57 x 78.5 mm
WEIGHT	230 g	MTTF (25 °C)	111 years
COLOR	Light gray	APPROVALS	CE

APPROVALS



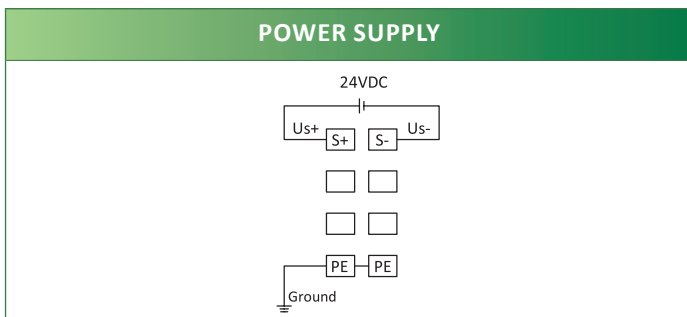
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DIMENSIONS



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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SALES AND SERVICE

Tianjin Elco Automation Co., Ltd

No. 12, 4th XEDA Branch Road
Xiqing Economic-Technological Development Area
Tianjin 300385, P.R. China
Office Phone: 022 23788282
E-Mail: info@elco.cn
www.elco-holding.com.cn

Elco Industrie Automation GmbH

Benzstrasse 7
71720 Oberstenfeld,
Deutschland
Office Phone: +49 7062 / 6599-260
E-Mail: info@elco-automation.de
www.elco-automation.de

Elco Automation LLC

1097 Highway 101 South, Suite D-3 Greer
South Carolina 29651, USA
Office Phone: +1 864-581-7431
E-Mail: infousa@elcoautomation.com
www.elcoautomation.com

Elco Industrial Automation Pvt Ltd.

No 80, 1st Main, 2nd Cross, Royal Enclave,
Sidedahalli, Nagasandra Bangalore 560073, India
Office Phone: +91-7259931777
E-Mail: info@elcoautomation.in
www.elcoautomation.com

Elco Automation Korea Ltd.

706, 17 Daehak 4-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Republic of Korea, 16226
Office Phone: +82-31-216-7890
E-Mail: sales@elcoautomation.co.kr
www.elcoautomation.com