

## FX20-GW-MT00

## ARTICLE PROPERTIES

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

## TECHNICAL DATA

<b>COMMUNICATION PROTOCOL</b>	ModbusTCP	<b>SUPPLY VOLTAGE (SYSTEM)</b>	24 V DC (± 20 %)
<b>TRANSMISSION MEDIUM</b>	Twisted pair S-UTP, 100 Ω, Cat. 5	<b>INPUT CURRENT (TYP.) AT NOMINAL LOAD (24 V)</b>	200 mA
<b>TRANSMISSION RATE</b>	10/100 M bit/s	<b>BACKPLANE POWER SUPPLY VOLTAGE</b>	5 V DC
<b>BUS SEGMENT LENGTH (MAX.)</b>	100 m	<b>BACKPLANE POWER SUPPLY CURRENT (MAX.)</b>	3 A
<b>BUS NODE ADDRESS RANGE</b>	1 ... 254 (Rotary code switches setting) or set by configuration software	<b>ELECTRICAL ISOLATION</b>	500 V (power supply and bus)
<b>WEB SERVER</b>	The access address is set according to the rotary code switch or configuration software	<b>POWER PROTECTION</b>	Overcurrent protection, reverse polarity protection, surge protection
<b>MAX. NUMBER OF CASCADABLE MODULES</b>	32	<b>PARAMETERS CONFIGURATION METHOD</b>	Configured by PLC, configure through web server
<b>INPUT AND OUTPUT PROCESS MAPPING (MAX.)</b>	512 bytes / 512 bytes	<b>FAULT DIAGNOSIS METHOD</b>	LED, communication message

## CONNECTION DATA

<b>WIRE CONNECTION</b>	Plug-in terminal blocks	<b>STRIPPED LENGTHS</b>	8 ... 10 mm 0.315 ... 0.394 in
<b>CROSS SECTION</b>	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> AWG 28 ... 14		

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## ENVIRONMENTAL REQUIREMENTS

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

## GENERAL DATA

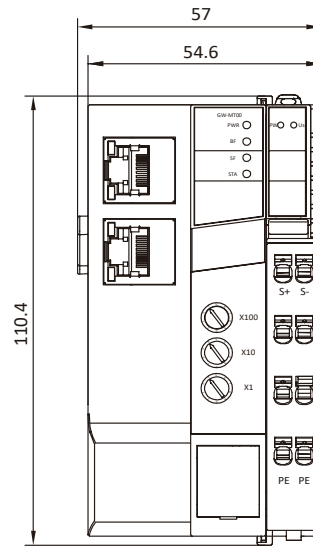
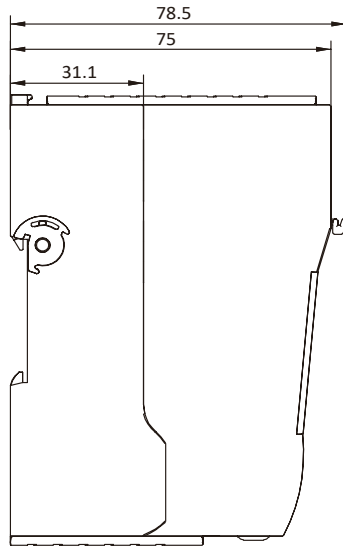
<b>HOUSING MATERIAL</b>	PPE	<b>DIMENSIONS (H X W X D)</b>	110.4 x 57 x 78.5 mm
<b>WEIGHT</b>	230 g	<b>MTTF (25 °C)</b>	111 years
<b>COLOR</b>	Light gray	<b>APPROVALS</b>	CE

## APPROVALS



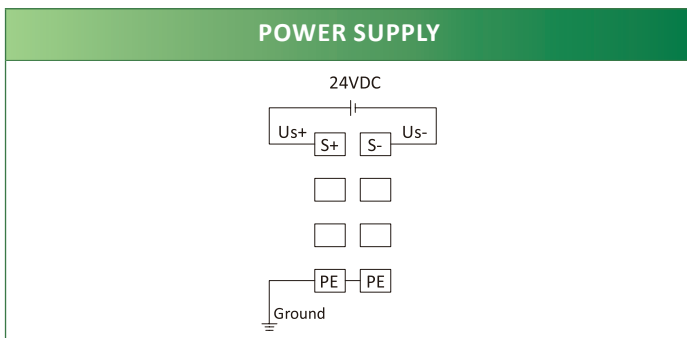
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DIMENSIONS



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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