

2901988

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Gateway for the connection of up to 32 INTERFACE system devices to a higher-level controller via EtherNet/IP™. The INTERFACE system devices are connected to the Gateway via DIN rail connectors, the DIN rail connectors are provided.

Commercial data

Item number	2901988
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C477
Product key	CK7712
Catalog page	Page 20 (C-5-2019)
GTIN	4046356641937
Weight per piece (including packing)	201.6 g
Weight per piece (excluding packing)	194.2 g
Customs tariff number	85176200
Country of origin	DE



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Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the
	download area

Product properties

Product type	Gateways/Proxies
Operating mode	100% operating factor
Insulation characteristics	
Insulation characteristics Overvoltage category	III

Electrical properties

Supply

Rated control circuit supply voltage U _S	24 V DC -20 % +25 %
Rated control supply current I _S	85 mA (plus load current of the outputs)
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Digital

<u> </u>	
Number	8
Rated actuating voltage U_C	24 V DC ±20 %
Rated actuating current I _C	3 mA
Protective circuit	Reverse polarity protection
	Surge protection

Output data

Digital: Switching outputs

Number	4
Residual voltage	1 V
Maximum switching voltage	23 V DC (U _B - U _{resid.} of the output)
Max. switching current	500 mA
Protective circuit	Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse)

Connection data

Supply

· · ·	
Connection method	Screw connection



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Stripping length		
Conductor cross section rigid 0.2 mm² 2 mm²	Stripping length	8 mm
Conductor cross section flexible 0.2 mm² 2.5 mm² Conductor cross section AWG 24 12 Programming connection 12 Number of connections 1 Number of positions 12 INTERFACE system 20 Connection method DIN rail bus connectors Number of connections 1 Number of positions 5 EtherneUtP™ 245 Connection method RJ45 Number of connections 1 Interfaces 245 Data: Interface-System 245 Data: Interface-System 248 Data: EtherNetIP™ 248 Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface 248 Communication protocol EtherN	Screw thread	M3
Conductor cross section AW/G	Conductor cross section rigid	0.2 mm ² 2 mm ²
Programming connection Connection method S-PORT (socket) Number of connections 1 1 INTERFACE system Connection method DiN rail bus connectors Number of positions 1 1 Number of positions 5 1 Ethernet/IP™ Connection method Number of connections 1 1 Interfaces Data: Interface-System Interface-System Data: Interface-System Data: Service interface Communication protocol Interface-System Data: Service interface Connection method S-PORT (socket) Number of connections 1 INTERFACE-System Number of positions 1 INTERFACE-System Data: Device bus Communication protocol Interface-System Interface-System	Conductor cross section flexible	0.2 mm² 2.5 mm²
Connection method S-PORT (socket)	Conductor cross section AWG	24 12
Number of connections 1 Number of positions 12 INTERFACE system	Programming connection	
Number of positions INTERFACE system Connection method DiN rail bus connectors Number of connections 1 Number of positions Ethernet/IP™ Connection method RJ45 Number of connections 1 nuterfaces Data: Interface-System Data rate Serial transmission speed Connection method DiN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed Connection method Data: Network interface Communication protocol EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Transmission speed 100 Mbps Data: Service interface Communication protocol INTERFACE-System Data: Service interface Communication protocol INTERFACE-System Data: Data: Service bus Lown of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Connection method	S-PORT (socket)
NTERFACE system Connection method Number of connections Number of positions 5 Etherne/IP™ Connection method Number of connections 1 RJ45 Number of connections 1 Terfaces Data: Interface-System Data rate Positions Data rate To 6800 Baud Serial transmission speed Connection method DiN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed To 8 kbps Connection method DiN rail bus connectory Data: EtherNet/IP™ Serial transmission speed To 8 kbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed To Mbps 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Number of connections 1 Number of connections 1 Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Number of connections	1
Connection method DIN rail bus connectors Number of connections 1 Number of positions 5 Ethernet/IP™ Connection method RJ45 Number of connections 1 Atterfaces Connection method 1 Data: Interface-System Feature 76800 Baud Serial transmission speed 76.8 ktps PORT (male connectors) Connection method DIN rail bus connectory Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps Data: Service interface 10 Mbps Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	Number of positions	12
Number of connections 1 Number of positions 5 Ethernet/IP™ Connection method Connection method RJ45 Number of connections 1 Interfaces	INTERFACE system	
Number of positions 5	Connection method	DIN rail bus connectors
Ethernet/IP™ Connection method RJ45 Number of connections 1 Interfaces Data: Interface-System Data rate 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Transmission speed 10 Mbps Connection method RJ45 jack Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12	Number of connections	1
Connection method RJ45 Number of connections 1 Interfaces Data: Interface-System Data rate 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rall bus connectors S-PORT (male connector) S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed Connection method RJ45 jack Data: Network interface EtherNet/IP™ Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	Number of positions	5
Connection method RJ45 Number of connections 1 Interfaces Data: Interface-System Data rate 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rall bus connectors S-PORT (male connector) S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed Connection method RJ45 jack Data: Network interface EtherNet/IP™ Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	Ethernet/IP™	
Data: Interface-System Data rate 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Transmission speed 10 Mbps 10 Mbps 10 Mbps 10 Mbps Data: Service interface 10 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of connections 1 Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of positions 12 Data: Device bus Communication protocol INTERFACE-System		RJ45
Data: Interface-System 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Number of connections	1
Data rate 76800 Baud Serial transmission speed 76.8 kbps Connection method DIN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 10 Mbps 100 Mbps Data: Service interface INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	terfaces	
Serial transmission speed 76.8 kbps Connection method DIN rail bus connectors S-PORT (male connector) Data: EtherNet/IP™ Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps 100 Mbps Data: Service interface S-PORT (socket) Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	Data: Interface-System	
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Serial transmission speed 100 Mbps Connection method RJ45 jack Data: Network interface EtherNet/IP™ Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System		S-PORT (male connector)
Connection method RJ45 jack Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System Communication protocol INTERFACE-System	Data: EtherNet/IP™	
Data: Network interface Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 12 Data: Device bus Communication protocol INTERFACE-System	Serial transmission speed	100 Mbps
Communication protocol EtherNet/IP™ Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Connection method	RJ45 jack
Connection method RJ45 jack Number of connections 1 Transmission speed 10 Mbps 100 Mbps Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Data: Network interface	
Number of connections 1 Transmission speed 10 Mbps 100 Mbps 100 Mbps Data: Service interface INTERFACE-System Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Communication protocol	EtherNet/IP™
Transmission speed 10 Mbps Data: Service interface INTERFACE-System Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Connection method	RJ45 jack
Data: Service interface Communication protocol INTERFACE-System Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Number of connections	1
Data: Service interface Communication protocol Connection method S-PORT (socket) Number of connections Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Transmission speed	10 Mbps
Communication protocol Connection method S-PORT (socket) Number of connections Number of positions 12 Data: Device bus Communication protocol INTERFACE-System		100 Mbps
Connection method S-PORT (socket) Number of connections 1 Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Data: Service interface	
Number of connections 1 Number of positions 12 Data: Device bus INTERFACE-System	Communication protocol	INTERFACE-System
Number of positions 12 Data: Device bus Communication protocol INTERFACE-System	Connection method	S-PORT (socket)
Data: Device bus Communication protocol INTERFACE-System	Number of connections	1
Communication protocol INTERFACE-System	Number of positions	12
	Data: Device bus	
	Communication protocol	INTERFACE-System
	Connection method	



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Number of connections	1	
Number of positions	5	
Transmission speed	76.8 kbps	
Dimensions		
Width	22.5 mm	
Height	107.8 mm	
Depth	113.8 mm	
Material specifications		
Color	gray (RAL 7042)	
Housing material	Polyamide PA non-reinforced	
Environmental and real-life conditions Ambient conditions		
Degree of protection	IP20	
Ambient temperature (operation)	-25 °C 50 °C	
Ambient temperature (storage/transport)	-35 °C 80 °C	
Approvals		
Certificate	UKCA-compliant	
Standards and regulations		
Standards/regulations	EN 50178	
Mounting		
Mounting type	DIN rail mounting	
Assembly instructions	in rows with zero spacing	
Mounting position	any	



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Classifications

UNSPSC 21.0

ECLASS

27242608
27242608
27242608
EC001604

32151600



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Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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