



MODBUS gateway

ICDM-RX/MOD-DB9/RJ45-PM

- Panel mounting and DB9 serial connector
- Pure Modbus, multiple Modbus master and slave types, remote, local, and private devices
- RS-232/422/485 software selectable interfaces
- Web-based configuration

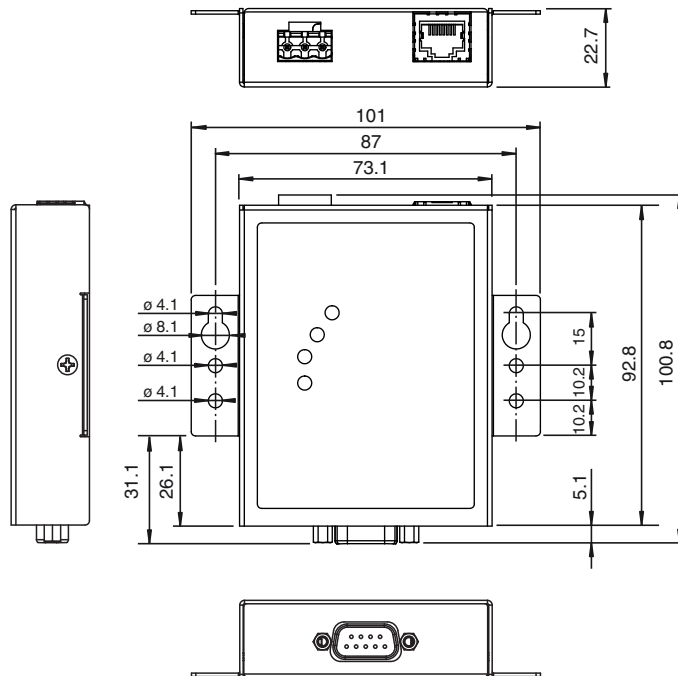
Modbus 1-port panel mount DB9



Function

The ICDM-RX/MOD product family provides an innovative network-wide Modbus connectivity from a wide variety of Modbus masters to a wide variety of local and remote Modbus slaves. Advanced features include master-to-master communication, private serial bus connectivity, write protection, and device ID aliasing. With simplified configuration pages and advanced routing, it provides unmatched Modbus connectivity. The integrated webservice enables complete configuration of all module parameters like serial interface, baud rate, data bits, stop bits, or flow control. Products are available in different versions for DB9 or screw terminal connection.

Dimensions



Technical Data

General specifications

UL File Number E185802

Functional safety related parameters

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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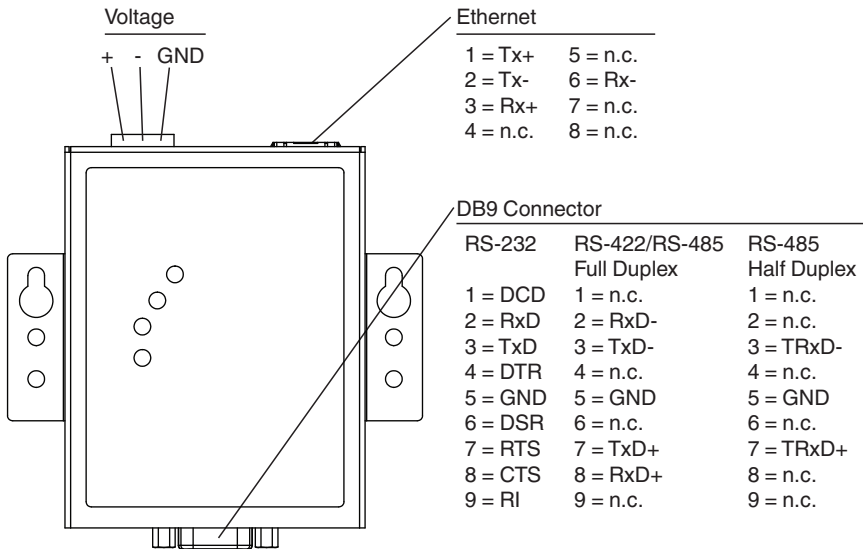
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Technical Data

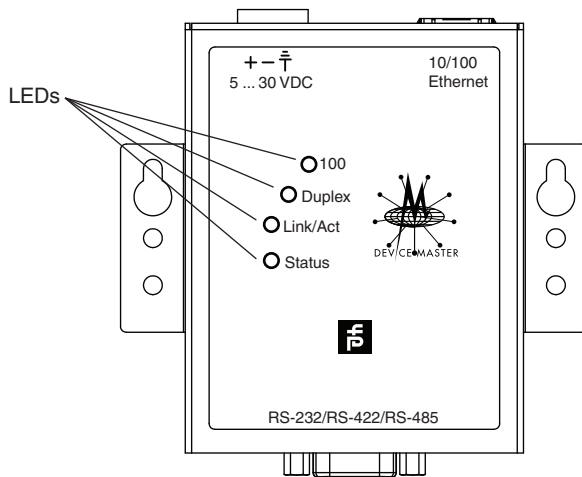
MTBF	48.4 a
Indicators/operating means	
LED indication	see manual
Electrical specifications	
Rated operating voltage	U _e 5 ... 30 V DC
Nominal voltage	24 V DC
Interface	
Interface type	Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire)
Physical	1 x DB9
Protocol	MODBUS
Supported baud rates	300 bps to 230Kbps
Interface 1	
Interface type	Industrial Ethernet
Physical	1 x RJ45
Protocol	MODBUS TCP/IP
Additional protocols	ARP, BOOTP, DHCP/RARP, HTTP, HTTPS, SSH, SSL/TLS, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP &UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission
Transfer rate	10/100 Mbps
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 55022:2010 , AS/NZS CISPR 22; 2009 + A1: 2010 , EN 61000-6-4 , EN 55032
Standard conformity	
Electrical safety	CSA C22.2 No. 60950 / CSA C22.2 No. 60950/UL60950
Emitted interference	AS/NZS EN 55022, FCC Part 15 Subpart B, ICES-003, CISPR 22
Noise immunity	EN 61000-6-2 , EN 55024
Ambient conditions	
Ambient temperature	-40 ... 75 °C (-40 ... 167 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 95 %
Altitude	0 ... 3048 m
Mechanical specifications	
Housing length	91.4 mm
Housing width	20.3 mm
Housing height	71.1 mm
Degree of protection	IP20
Connection	Power Supply: pluggable screw terminal Fieldbus: 1 x RJ45 Inputs/outputs: 1 x DB9
Material	
Housing	stainless steel
Mass	220g
Construction type	Cabinet module
Mounting	panel mount

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Connection



Assembly



Accessories

	V45-G-C5-GN1M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN10M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN1M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN10M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN20M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable

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