1.Specification

Technical data	
Communication	Modbus TCP/IP
Bus segment length (max.)	100M
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5
Transmission rate	10/100Mbps
Number of extensible modules	16
Support Modbus function	02,03,05,06,15,16
Address mapping	Yes
Alias range	2～253
PDO DATA	1024 bytes
Address setting	Modbus TCP/IP specification, DIP switch
Connection type	via pluggable connector (Spring terminal blocks)
Working voltage	24VDC（-15%～+20%）
Current without load	<150mA
Supply system voltage	5VDC
Supply system current	600mA
Supply field voltage	24V～32VDC；via power jumper contacts
Supply field current(max.)	5A
Isolation	500V system/field Electrical isolation
Connection data	
Connection technology: communication/fieldbus	Modbus TCP/IP: 1 x RJ-45
Connection technology: system supply	2 x via pluggable connector
Connection technology: field supply	6 x via pluggable connector
Connection type 1	System/field supply
Area of wire	0.2～2.5mm²/28～14AWG
Strip length	8～9mm/0.31～0.35inches
Mounting type	DIN-35 RAIL
Material Data	
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE
Environmental requirements	
Ambient temperature (operation)	-25～60℃
Surrounding air temperature (storage)	-40～85℃
Protection type	IP20
Pollution degree (5)	2，Per IEC 61131-2
Operating altitude	without temperature derating：0～2000m
Mounting position	Any
Relative humidity (without condensation)	5～95%RH
Vibration resistance	4g，Per IEC 60068-2-6
Shock resistance	15g，Per IEC 60068-2-27
EMC immunity to interference	Per EN 61000-6-2
EMC emission of interference	Per EN 61000-6-3
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible pollutant concentration H2S at a relative humidity < 75%	10ppm
Permissible pollutant concentration SO 2 at a relative humidity < 75%	25ppm