

Technical Information	
Description	Digital input module, 16 inputs, NPN+PNP, 24VDC
Number of channels	16
Signal type	NPN & PNP
"ON" signal voltage	>11V DC
"OFF" signal voltage	<5V DC
Hardware response time	200us/200us
Data size	2 Byte
Type of connection	1-wire, Type 1/Type 3 , Refer to IEC 61131-2
Reverse circuit protection	Yes
Isolation method	Optoelectronic isolation from the on-site layer
Error diagnosis	Yes
Signal (0) Input current of each channel (typical)	0.6mA
Signal (1) Input current of each channel (typical)	2.3mA
Signal (1) Minimum input current for each channel	2.1mA
Signal (1) Maximum input current of each channel	2.4mA
Filtering time	0.2-40ms configurable
Impedance	>7.5k Ω
Input action display	When the input is in the drive state, the input indicator light is on
I/O mapping	Supports bitwise access, byte access, and two I/O mapping methods
Working voltage	24V DC +20 %/ -15 %
System feed current	<30ma
Wiring parameters	
Connection technology: Input end	PUSH-IN type wiring port
line type	Input
Crimping area of wire	0.14~1.5mm ² /26~16AWG
Strip length	8~10mm
Installation method	DIN-35 type guide rail
Material parameters	
Colour	Black
Housing material	PC plastic, PA66
Consistency flag	CE
Environmental requirements	
Permissible ambient temperature (during operation)	-25~60 $^{\circ}$ C
Permissible ambient temperature (storage)	-40~85 $^{\circ}$ C
Protection type	IP20
Pollution level	2. Comply with IEC 61131-2 standard
Working altitude	Without temperature influence:0~2000m
Relative humidity (non condensing)	5~95%RH
Anti vibration	4g, Complies with IEC 60068-2-6 standard
Impact resistance	15g, Complies with IEC 60068-2-27 standard
EMC - Immunity	Complies with EN 61000-6-2 standard

EMC-Radiated Interference	Complies with EN 61000-6-3 standard
Corrosion resistance	Complies with IEC 60068-2-42 and IEC 60068-2-43 standards
Permissible H2S pollutant concentration at 75% relative humidity	10ppm
Permissible SO2 pollutant concentration at 75% relative humidity	25ppm