Technical Information	
model	DF58-M-16DO-P
Product Description	Digital output module, 16 outputs, PNP, 24VDC
Signal type	PNP
OFF signal voltage	High impedance
ON signal voltage	24V DC
Number of channels	sixteen
data size	2 Byte
line type	1-wire system
Reverse circuit protection	support
Overcurrent protection	support
Short circuit protection	support
Isolation method	Optoelectronic isolation from the on-site layer
Error diagnosis	support
Switching frequency (resistive)	100Hz
Switching frequency (lamp)	10Hz
Switching frequency (inductive)	0.2Hz
Response time of protection circuit	<100 μ S
Maximum current output per channel	500 mA
Leakage current	Maximum value: 10uA
Hardware response time	100us/100us
Output impedance	<200m Ω
output delay	OFF to ON: Max.100us, ON to OFF: Max.150us
Protection function	Overcurrent protection: 0.5A typical value 1.9A, Support short circuit protection
Load type	Inductive (7.2W/point, 24W/module), resistive (0.5A/point, 4A/module), light (5W/point, 18W/module)
Output action display	When the output is in the drive state, the indicator light is on (LED is controlled by the microcontroller IO software)
Input Derating	Derate by 50% when operating at 55 ℃ (while the output current of ON does not exceed 2A), or by 10 ℃ when the output point is fully ON
IO mapping	Supports three IO mapping methods: bit access, byte access, and word access
Fault shutdown output status mode	Clear to zero, maintain the current value, and output according to the preset value
Fault shutdown output preset value	0 or 1
In shutdown mode	Output according to the fault shutdown status mode and preset values, no longer refreshing
Power parameters	
working voltage	24V DC +20 %/ -15 %
System feed current	<15mA
Wiring parameters	
Connection technology: input/output	PUSH-IN type terminal blocks
Connection type (1)	Input/Output
Crimping area of wire	0.2~1.5mm2/26~16AWG
Strip length	8-10mm ²

Installation method	DIN-35 type guide rail
Material parameters	
colour	Light gray
Shell material	PC plastic, PA66
Consistency flag	CE
Environmental requirements	
Permissible ambient temperature (during operation)	-25-60 ℃
Permissible ambient temperature (storage)	-40-85 ℃
Protection type	IP20
Pollution level	2. Comply with IEC 61131-2 standard
Working altitude	Temperature without derating: 0-2000m
Installation position	arbitrarily
Relative humidity (non condensing)	5-95% RH
Anti vibration	4g, in accordance with IEC 60068-2-6 standard
Impact resistance	15g, in accordance 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