

Technical Information	
Model	DF58-M-2CNT-PIL-24
Product Description	Pulse counting module, 2 channels
Maximum count frequency	1Mhz
Number of channels	two
Input signal type	Incremental encoder AB or pulse/direction signal
Input signal voltage	24V DC
Enter Connection Type	4-wire system/2-wire system
Reverse circuit protection	Yes
Isolation method	Isolation from on-site layer optocoupler
Data size	20 Byte
Frequency doubling mode	X1/x2/x4
Filtering time	Configurable, 0.01 to 1 ms
Short circuit protection	have
DI opening voltage	Min.5Vdc to Max.28Vdc
DI shutdown voltage	Max.2.7Vdc
DI opening current	Max.5mA/channel @ 28V
DI input impedance	>10.0k $\Omega$
DI input delay	<1ms
DO output voltage	24V, range $\pm$ 10%
DO output current	Max.500mA
DO output leakage current	Max.5uA
Sensor power supply	500mA@5V , 500mA@24V
Error diagnosis	Yes, US responded, error code can be queried by the upper computer
resolving power	32 Bit
measuring range	Encoder: -2147483648~2147483647 Pulse: 0~4294967295
accuracy	$\pm$ 1 pulse
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	0.2~1.5mm <sup>2</sup> /26~16AWG
Strip length	8-10mm <sup>2</sup>
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 °C
Permissible ambient temperature (storage)	-40-85 °C
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