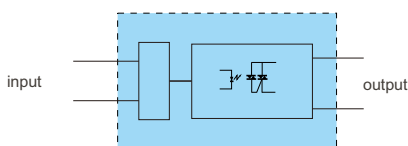


>>> Control Module

input and output module-M3

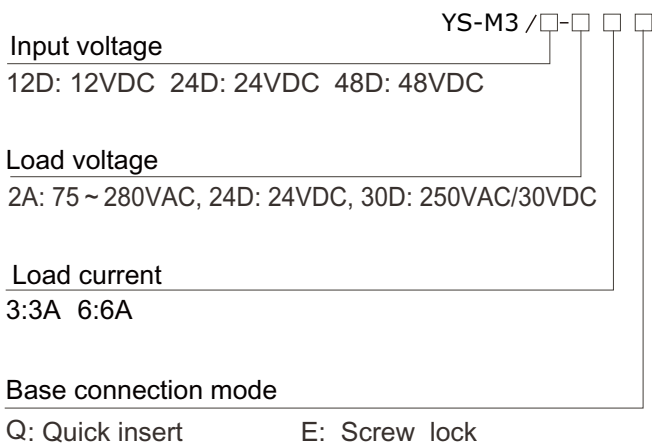


Under certification

Product

- Socket installation
- Load current: 3A (SSR), 6A (EMR)
- Dielectric strength: 2500VAC
- Action time: ≤ 8 ms (EMR)
- Turn-on time : ≤50μs (SSR)

Ordering Reference



Application

- Industry machines: CNC machine

Model /Package

Type	Specification			socket connection mode		On-state RMS current	Package quantity
				Quick insert	Screw lock		
SSR	12D-24D3Q	24D-24D3Q	48D-24D3Q	√		3A 24VDC	20 PCS/box 60 boxes/carton
	12D-24D3E	24D-24D3E	48D-24D3E		√		
	12D-2A3Q	24D-2A3Q	48D-2A3Q	√		3A 220VAC	
	12D-2A3E	24D-2A3E	48D-2A3E		√		
Electromagnetic relay	12D-30D6Q	24D-30D6Q	48D-30D6Q	√		6A 250VAC/30VDC	
	12D-30D6E	24D-30D6E	48D-30D6E		√		
	60D-30D6Q	110D-30D6Q	220D-30D6Q	√			
	60D-30D6E	110D-30D6E	220D-30D6E		√		

Technical parameters

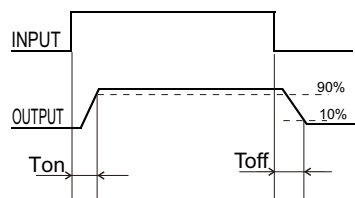
■ Max rated parameters (Environment temperature: 25°C)

Item		Symbol	12D-24D3	24D-24D3	48D-24D3	12D-2A3	24D-2A3	48D-2A3	Unit
Input	Work voltage		9.6 ~ 14.4	19.6 ~ 28.8	38.4 ~ 57.6	9.6 ~ 14.4	19.6 ~ 28.8	38.4 ~ 57.6	V
	Turn-on voltage	V_{TON}	9.6	19.6	38.4	9.6	19.6	38.4	V
	Turn-off voltage	V_{TOFF}	3	10	10	3	10	10	V
Output	Repetitive peak off-state voltage	V_{DRM}	35			600			V_{PK}
	Surge current (10ms)	I_{TSM}	48			80			A
	On-state RMB current	$I_T(RMS)$	3						A
Dielectric voltage	Input-output	V_{iso}	2500						VAC
Temperature	Work temperature	T_{opr}	-30 ~ 80						°C
	Storage temperature	T_{stg}	-40 ~ 100						°C

■ Electric parameters (Environment temperature 25°C)

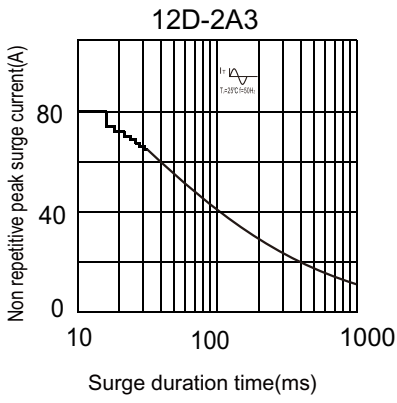
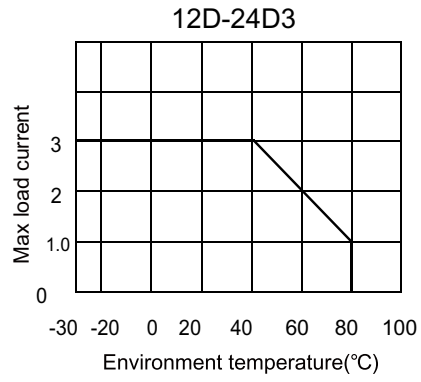
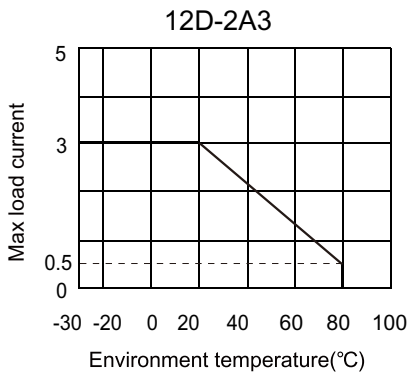
Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	I_{max}	$V_{in} = Max$			25	mA
Output	On-state voltage drop	V_T	AC output relay, rated load			1.5	V
			DC output relay, rated load			0.2	V
	Output leakage current	I_{leak}	AC output relay, rated load			1	mA
			DC output relay, rated load			200	μA
Transmission	Turn-on time	T_{on}	AC output relay, rated load			1	mS
			DC output relay, rated load			0.1	mS
	Turn-off time	T_{off}	AC output relay, rated load			10	mS
			DC output relay, rated load			0.1	mS
	Insulation resistance	R_{iso}	500 V DC (Input -output)		1000		M Ω
Other	Weight		Relay(head)		5		g
			Relay socket		25		g

■ Switch Time Waveform:

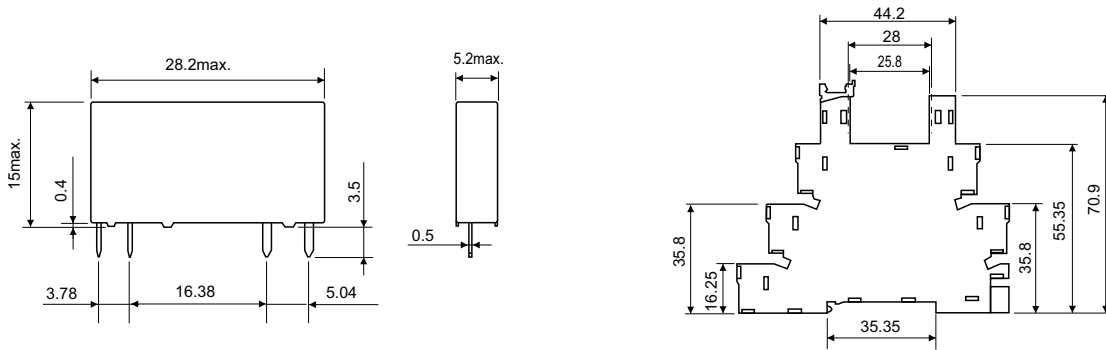


Technical parameters

Characteristic curve



Outline dimensions



Connection diagram

