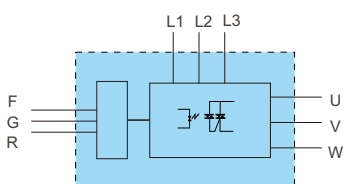


>>> Control Module

Three-phase motor control module-M2



Under certification

Product

- Panel mount
- Load: 10A, 25A, 40A
- Dielectric strength: 4000VAC
- Load voltage : 380VAC

Ordering Reference

	YS-M2 / □-□ □ □
Input voltage	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div> </div>
12D: 12VDC	
Load voltage	
3A:48 ~ 440VAC	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div> </div>
Load current	
10:10A 25:25A 40:40A	<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black;"></div> </div>
Control number	
Q: Three-phase full control Null: Three-phase two-control	

Application

- Electric actuator, photovoltaic follower
- Medical treatment and medical devices
- CNC machine, switch motor, fan, heating furnace, magnetic valve industry robot etc

Model/Package

Specification		Off-state peak voltage	On-state RMS current	Package quantity
Three-phase full control	Three phase Two-control			
12D-3A10Q	12D-3A10	800 V	10 A	1 PCS/box 50 PCS /carton
12D-3A25Q	12D-3A25	800 V	25 A	
12D-3A40Q	12D-3A40	800 V	40 A	

Technical parameters

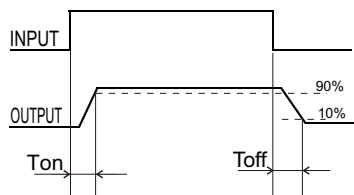
■ Max rated parameters (Environment temperature: 25°C)

Item		Symbol	12D3A10Q, 12D3A10	12D3A25Q, 12D3A25	12D3A40Q, 12D3A40	Unit
Input	Work voltage		12 ~ 30			V
	Turn-on voltage	V_{TON}	9.6			V
	Turn-off voltage	V_{TOFF}	3			V
Output	On-state RMB current	$I_{T(RMS)}$	10	25	40	A
	Surge current (10ms)	I_{TSM}	100	250	400	A
	Repetitive peak off-state voltage	V_{DRM}	800			V_{PK}
Dielectric voltage	Input-output	V_{iso}	4000			VAC
Temperature	Work temperature	T_{opr}	-30 ~ 80			°C
	Storage temperature	T_{stg}	-40 ~ 100			°C

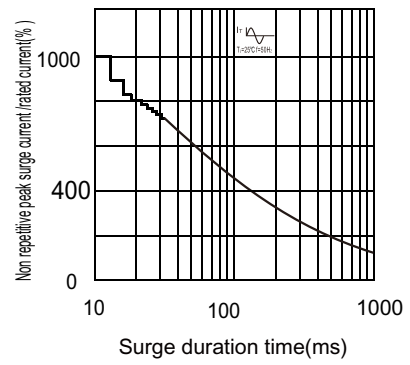
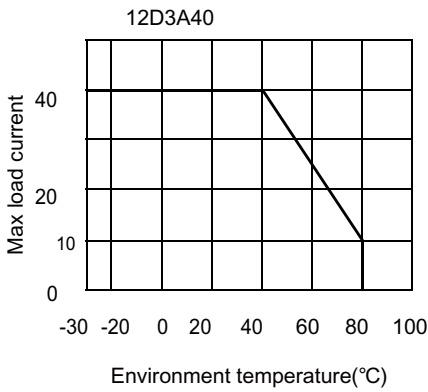
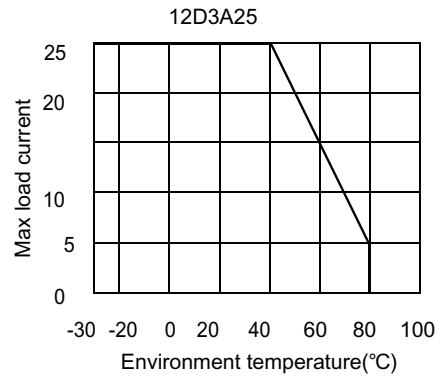
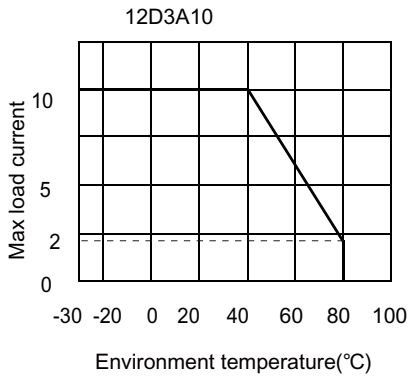
■ Electric parameters (Environment temperature 25°C)

Item		Symbol	Test condition	Min	Typical	Max	Unit
Input	Max input current	I_{max}	$V_{in} = Max$			20	mA
	Max input voltage	V_{max}	$V_{in} = Max$			30	V
Output	On-state voltage drop	V_T	Rated load voltage		1.5	1.6	V
	Output leakage current	I_{leak}	Load voltage			10	mA
Transmission	Turn-On time	T_{on}			80		mS
	Turn-off time	T_{off}			10		mS
	Reverse change time	T_{ch}	Min reverse control change time	300			μS
	Insulation resistance	R_{iso}	500VDC(input-output)			1000	M Ω
Other	Weight				308		g

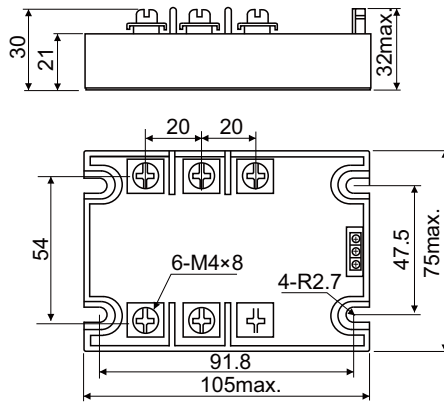
■ Switch Time Waveform:



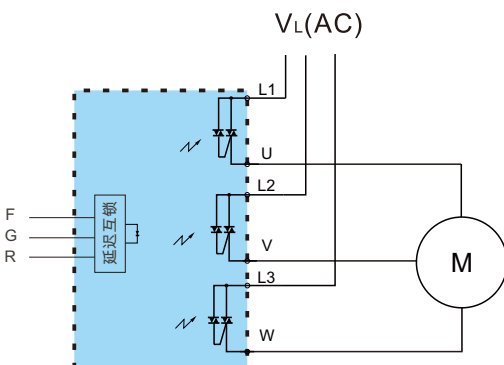
Characteristic curve



Outline dimensions



Connection diagram



Mouning holes(mm)

