

DC MOTOR STARTING RELAYS



Starting relay 150A
for motors Ø80 - Ø114

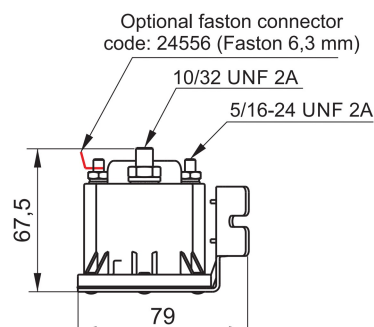
Weight: 0,38kg
Protection degree: IP67
Max current draw: 2A@12VDC - 1A@24VDC - 0,5A@48VDC
Standard temperature range: -40°C to +82°C
Poles thread: 2 x 10/32 UNF 2A; 2 x 5/16-24 UNF 2A
UL starting relays available on request (add UL at the end of the code)

Nominal current	Peak Current (3ms) *	Spare part code
150A	800A	M47TC0001 (12V DC) M47TC0002 (24V DC)
200A	800A	MASRH00004 (12V DC) MASRH00005 (24V DC)
225A	600A	M47TC0004 (48V DC)
300A	1000A	MASRH00001 (12V DC) MASRH00002 (24V DC)

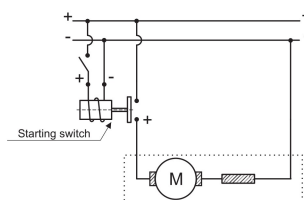
* on resistive load

150 A	M47TC0001 12V DC	M47TC0002 24V DC	M47TC0004 48V DC
Max Sustained Duty Cycle (S3)	25%	25%	25%
Max On-Time (S2) @ 150A	6 min	6 min	6 min
Pull In Voltage at 25°C	7,6 V	15,5 V	33 V
Hold minimum Voltage at 25°C	3,5 V	7,0 V	14 V
Coil Resistance at 25°C [Ohms]	5,7 Ω	20,1 Ω	86 Ω

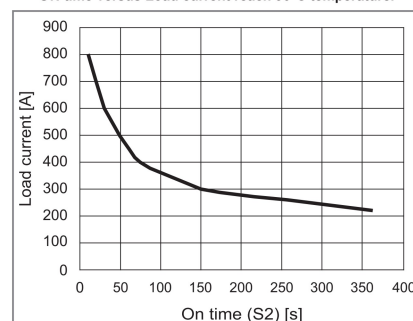
300 A	MASRH00001 12V DC	MASRH00002 24V DC
Max Sustained Duty Cycle (S3)	25%	25%
Max On-Time (S2) @ 300A	6 min	6 min
Pull In Voltage at 25°C	8,5 V	15 V
Hold minimum Voltage at 25°C	4,5 V	7,0 V
Coil Resistance at 25°C [Ohms]	5,37 Ω	20,1 Ω



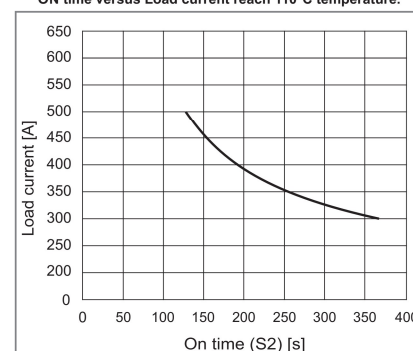
Electrical connection scheme



Typical Intermittent Duty Unit Performance in a + 25°C Ambient using 2 foot lenght (0,6 m) of 2#AWG (33,6 mm²) cable. ON time versus Load current reach 90°C temperature.



Typical Intermittent Duty Unit Performance in a + 25°C Ambient using 2 foot lenght (0,6 m) of 2#AWG (33,6 mm²) cable. ON time versus Load current reach 110°C temperature.



Recommended working position: either horizontal or vertical with poles set upwards.
Optional faston connector code: 24556.
All tests are made at environmental temperature of 25 °C.