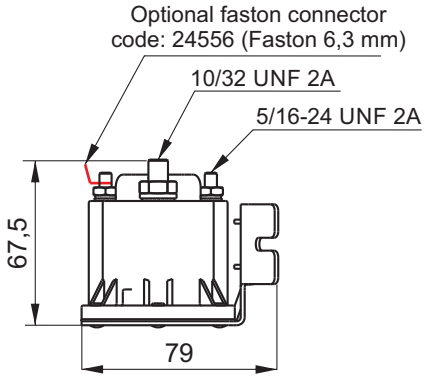
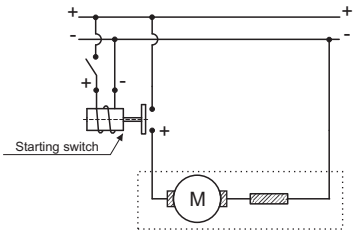
DC MOTOR STARTING RELAYS

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)



Electrical connection scheme



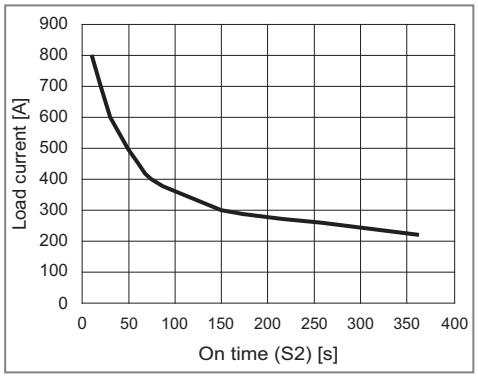
Nominal current	Peak Current (3ms) *	Spare part code
150A	800A	**M47TC0001 (12V DC)** **M47TC0002 (24V DC)**
200A	800A	**MASRH00004 (12V DC)** **MASRH00005 (24V DC)**
225A	600A	**M47TC0004 (48V DC)**
300A	1000A	**MASRH00001 (12V DC)** **MASRH00002 (24V DC)**

* on resistive load

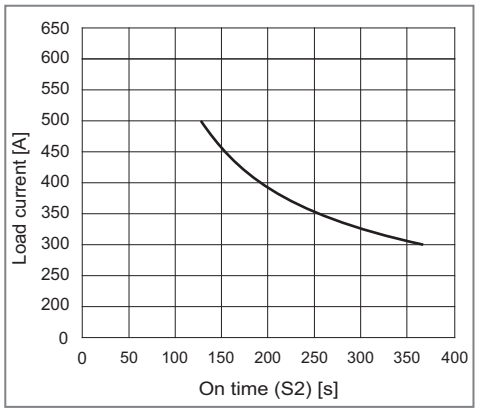
150 A	M47TC0001 12V DC	M47TC0002 24V DC	M47TC0004 48V DC
Max Sustained Duty Cycle (S3)	25%	25%	25%
Max On-Time (S2) @ 150A	6 min	6 min	6 min
Pull In Voltage at 25°C	7,6 V	15,5 V	33 V
Hold minimum Voltage at 25°C	3,5 V	7,0 V	14 V
Coil Resistance at 25°C [Ohms]	5,7 Ω	20,1 Ω	86 Ω

300 A	MASRH00001 12V DC	MASRH0002 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

Typical Intermittent Duty Unit Performance in a + 25°C Ambient using 2 foot lenght (0,6 m) of 2#AWG (33,6 mm^2) 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 mm^2) 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.

25-01