

Metasol Manual Motor Starter  
MMS-32S



General

Product code	0705101100
Product description	MMS-32S 10A METASOL EXP
Type	Current adjustable type
Breaking capacity	Standard
Rated operational current (Ie)	10A
Thermal release Adjustment range (A)	6~10
Type of terminal	Screw
Handle type	Rocker
Local/Export	Export
Standards	IEC 60947-4-1, IEC 60947-2, UL508
Certificates	CE, UL, CCC
	KR, LR, BV, DNV GL, ABS, RINA

Characteristics

Poles description	3P
Trip class	10
Rated operational voltage [Ue]	Up to 690V
Rated insulation voltage [Ui]	690V

Rated withstand voltage [Uimp]	6kV
Rated frequency [Hz]	50/60Hz
Instantaneous short circuit release	13 x I <sub>e</sub> max.
Max operating frequency per hour (Ope./h)	25
Mechanical endurance (Operating)	100000
Electrical endurance (Cycles)	100000
Utilization category (IEC60947-2 Breaker)	Cat.A
Utilization category (IEC60947-4 Motor starter)	AC-3
Function	Overload protection
	Phase failure function
	Short circuit protection
Ultimate short-circuit breaking capacity (I <sub>cu</sub> )	100kA at 220V/240V/230V
	50kA at 415V/400V
	15kA at 460V/440V
	6kA at 525V/500V
	3kA at 690V/600V
Rated service short-circuit breaking capacity (I <sub>cs</sub> )	100kA at 220V/240V/230V
	38kA at 415V/400V
	11kA at 460V/440V
	5kA at 525V/500V
	3kA at 690V/600V
Switching of standard three-phase motors (AC-2, AC-3)	2.2/3kW at 230V/240V
	3.7/4kW at 400V/415V
	4/5.5kW at 500V

	7.5kW at 690V
Back-up fuses (gG, gL, only if $I_{cc} > I_{cu}$ )	No back up fuse required
	80kA at 400V/415V
	63kA at 440V/460V
	63kA at 500V
	63kA at 690V
Wire Single-core [mm]/[AWG]	1~10 / 18~8 at 1 conductor
	1~6 / 18~10 at 2 conductors
Wire Stranded [mm]/[AWG]	1~6 / 18~10 at 1 conductor
	1~6 / 18~10 at 2 conductors
Wire Flexible [mm]/[AWG]	1~6 / 18~10 at 1 conductor
	0.75~4 / 18~10 at 2 conductors
Tightening torque [Nm]/[lb-in]	0.8~2.5 / 7~22

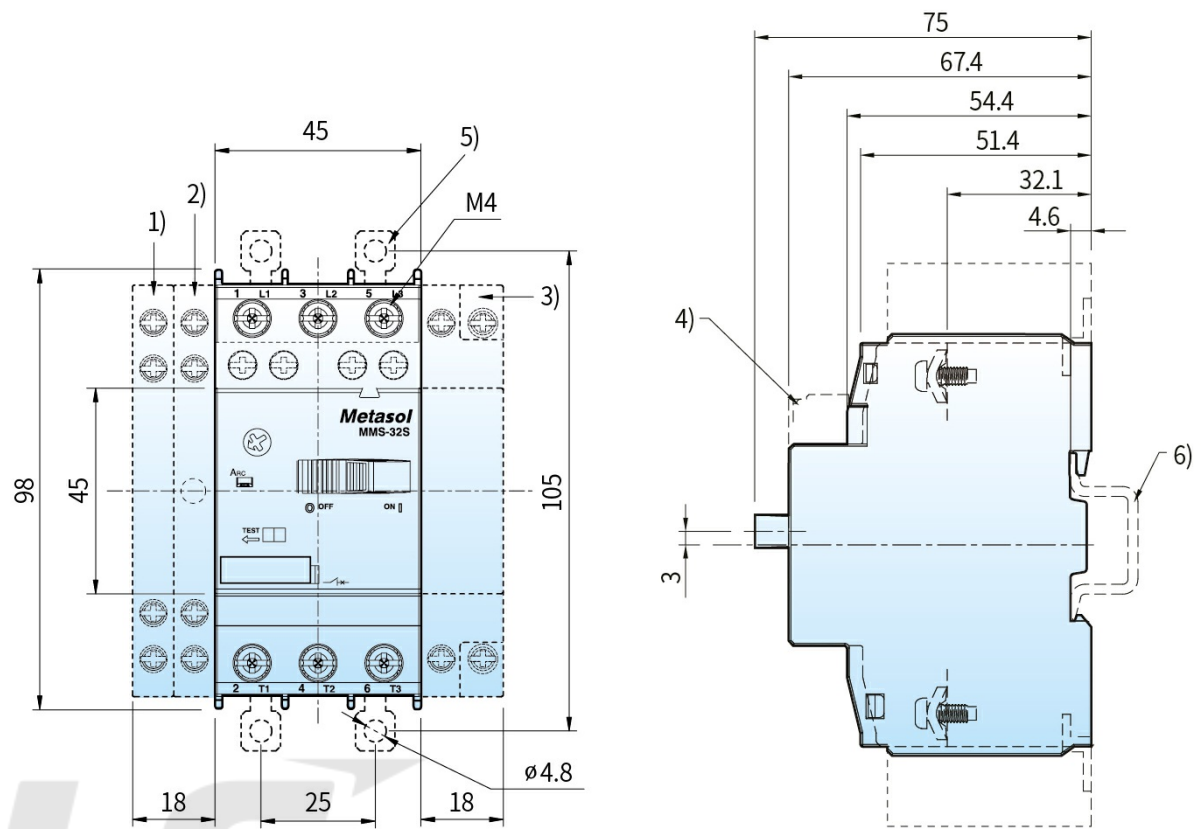
#### Environment

Degree of Protection	IP20
Ambient air temperature	-50°C ~ +80°C at storage
	-20°C ~ +60°C at operation
Ambient temperature compensation	-5°C ~ +40°C
Maximum operating altitude	2,000m
Shock resistance	25g
Vibration resistance	5~15Hz
REACH	Yes
RoHS	Yes
WEEE	Yes

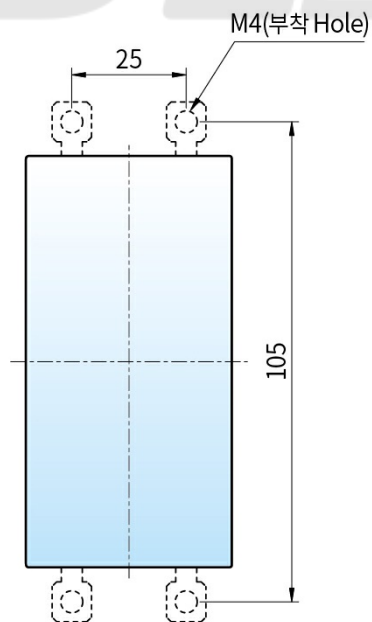
#### Dimensions

Weight (kg)	0.32
Size width	45mm / 1.77inch

Size height	75mm / 2.95inch
Size depth	94mm / 3.7inch



LS ELECTRIC



Characteristic Curves (including Thermal limit on short circuit for MMS)

MMS-32S/H/Hi

