Product Data Sheet Characteristics



Metasol Manual Motor Starter

MMS-63S

General

Product code	0706100641
Product description	MMS-63S 32A METASOL DIAL COVER EXP
Type	Current adjustable type
Breaking capacity	Standard
Rated operational current (Ie)	32A
Thermal release Adjustment range (A)	22-32
Type of terminal	Lug
Handle type	Rotary
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]	1000V

Rated withstand voltage [Uimp]	8kV
Rated frequency [Hz]	50/60Hz
Instantaneous short circuit release	13 x Ie max.
Max operating frequency per hour (Ope./h)	25
Mechanical endurance (Operating)	50000
Electrical endurance (Cycles)	25000
Utilization category (IEC60947-2 Breaker)	Cat.A
Utilization category (IEC60947-4 Motor starter)	AC-3
Function	Overload protection, Phase failure function
	Trip indicating function
	Short circuit protection
Ultimate short-circuit breaking capacity (Icu)	50kA at 220V/240V/230V
	25kA at 415V/400V
	10kA at 460V/440V
	6kA at 525V/500V
	4kA at 690V/600V
Rated service short-circuit breaking capacity (Ics)	38kA at 220V/240V/230V
	19kA at 415V/400V
	8kA at 460V/440V
	5kA at 525V/500V
	3kA at 690V/600V
Switching of standard three-phase motors (AC-2, AC-3)	7.5kW at 230V/240V
	15kW at 400V/415V
	18.5kW at 500V

	22kW at 690V
Back-up fuses (gG, gL, only if Icc>Icu)	160kA at 230V/240V
	125kA at 400V/415V
	100kA at 440V/460V
	80kA at 500V
	63kA at 690V
Wire Single-core [□]/[AWG]	0.75~35 / 18~2 at 1 conductor
	0.75~25 / 18~4 at 2 conductors
Wire Stranded [□]/[AWG]	0.75~35 / 18~2 at 1 conductor
	0.75~25 / 18~4 at 2 conductors
Wire Flexible [□]/[AWG]	0.75~25 / 18~4 at 1 conductor
	0.75~16 / 18~6 at 2 conductors
Tightening torque [Nm]/[lb-in]	3~4.5 / 26~39

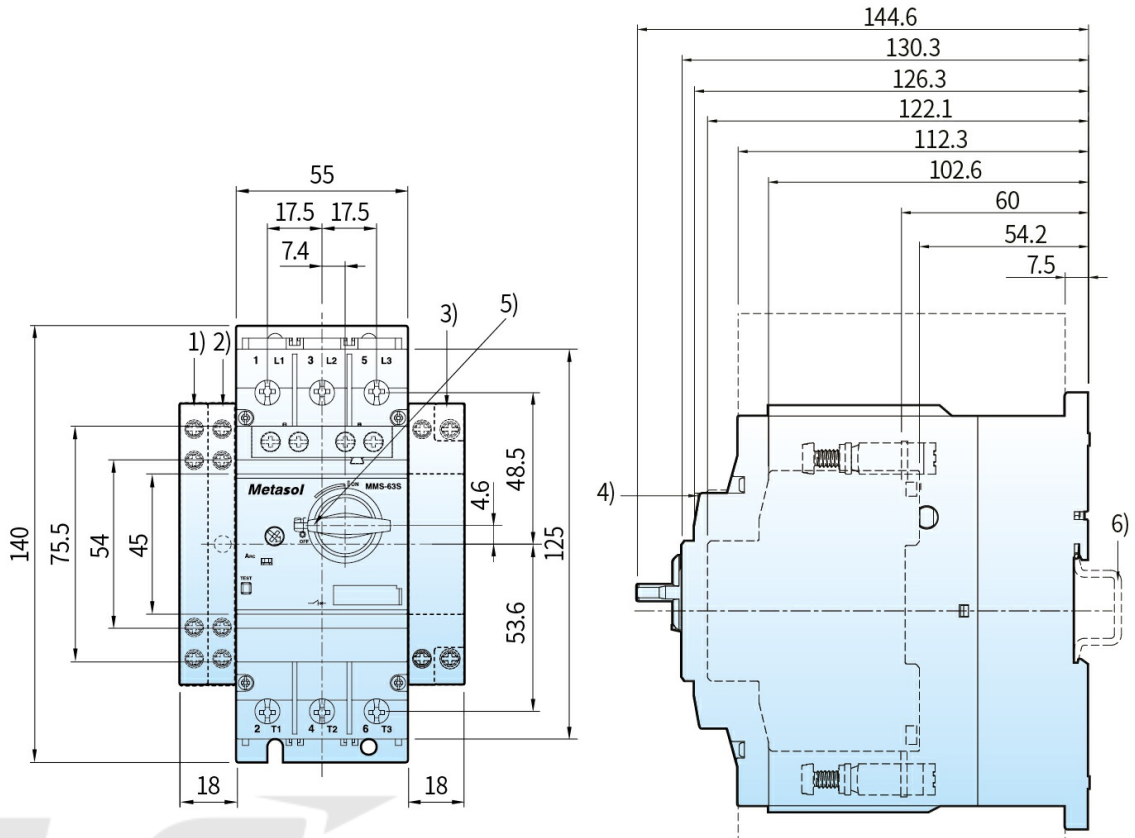
Environment

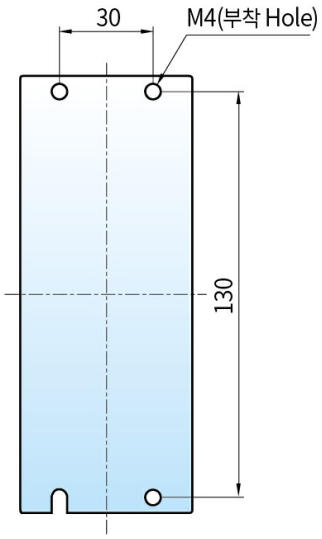
Degree of Protection	IP20
Ambient air temperature	-50℃ ~ +80℃ at storage
	-20℃ ~ +60℃ at operation
Ambient temperature compensation	-5℃ ~ +40℃
Maximum operating altitude	2,000m
Shock resistance	25g
Vibration resistance	5~15Hz
REACH	Yes
RoHS	Yes
WEEE	Yes

Dimensions

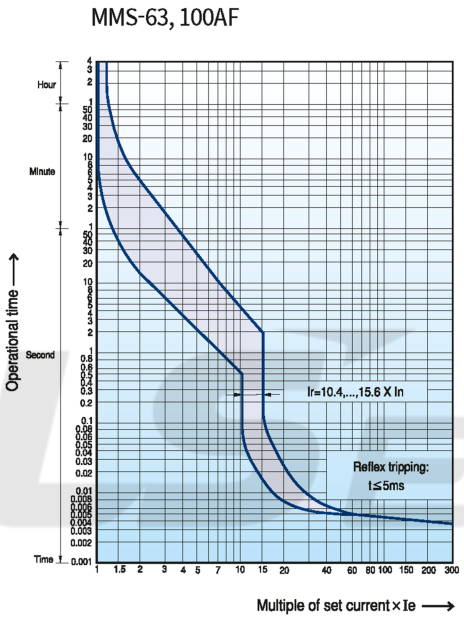
Weight (kg)	1
Size width	55mm / 2.17inch

Size height	144.6mm / 5.69inch
Size depth	140mm / 5.51inch





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



MMS-63S/H/HI

