

Metasol Manual Motor Starter

MMS-32H



General

Product code	0705105100
Product description	MMS-32H 40A METASOL EXP
Type	Current adjustable type
Breaking capacity	High breaking
Rated operational current (Ie)	40A
Thermal release Adjustment range (A)	28~40
Type of terminal	Screw
Handle type	Rotary
Local/Export	Export
Standards	IEC 60947-4-1, IEC 60947-2, UL508
Certificates	CE, UL
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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 _e 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
	Trip indicating function
	Short circuit protection
Ultimate short-circuit breaking capacity (I _{cu})	100kA at 220V/240V/230V
	40kA at 415V/400V
	15kA at 460V/440V
	8kA at 525V/500V
	3kA at 690V/600V
Rated service short-circuit breaking capacity (I _{cs})	100kA at 220V/240V/230V
	30kA at 415V/400V
	11kA at 460V/440V
	6kA at 525V/500V
	3kA at 690V/600V
Switching of standard three-phase motors (AC-2, AC-3)	7.5kW at 230V/240V
	18.5kW at 400V/415V
	22kW at 500V
	30kW at 690V
	No back up fuse required
	160kA at 400V/415V

Back-up fuses (gG, gL, only if $I_{cc} > I_{cu}$)	125kA at 440V/460V
	100kA at 500V
	80kA at 690V
Wire Single-core [Ø]/[AWG]	1~10 / 18~8 at 1 conductor
	1~6 / 18~10 at 2 conductors
Wire Stranded [Ø]/[AWG]	1~6 / 18~10 at 1 conductor
	1~6 / 18~10 at 2 conductors
Wire Flexible [Ø]/[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

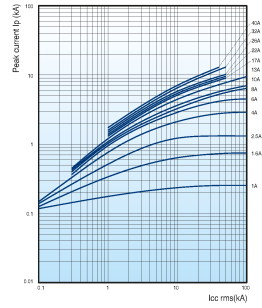
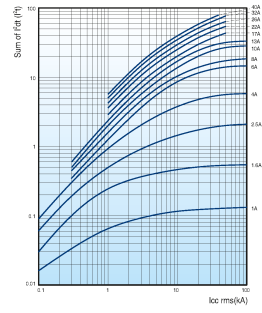
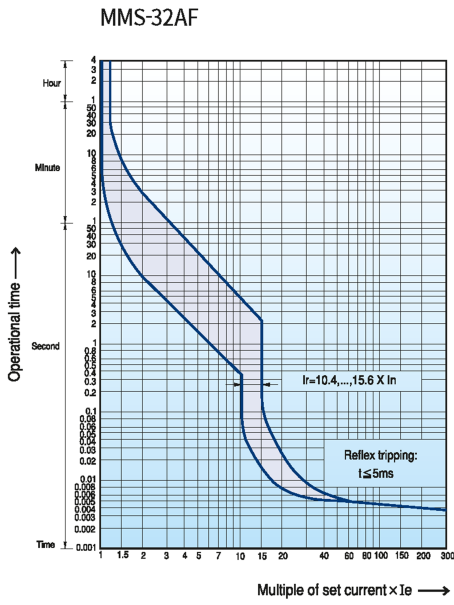
Degree of Protection	IP20
Ambient air temperature	-50°C ~ +80°C at storage
	-20°C ~ +60°C at operation
Ambient temperature compensation	-5°C ~ +40°C
Maximum operating altitude	2,000m
Shock resistance	25g
Vibration resistance	5~15Hz
REACH	Yes
RoHS	Yes
WEEE	Yes

Dimensions

Weight	0.79lbs / 0.36kg
Size width	1.77inch / 45mm
Size height	3.7inch / 94mm
Size depth	3.92inch / 99.6mm

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

MMS-32S/H/HI



LS ELECTRIC