MMS-32S

LS ELECTRIC — Manual Motor Starter (Metasol MMS)



GENERAL	
Product code	**0705100141**
Product description	**MMS-32S 0.16A METASOL DIAL COVER EXP**
Product type	**Metasol Manual Motor Starter**
Product name	**MMS-32S**
Type	**Current adjustable type**
Breaking capacity	**Standard**
Rated operational current (Ie)	**0.16A**
Thermal release Adjustment range (A)	**0.1~0.16**
Type of terminal	**Screw**
Handle type	**Rocker**
Local/Export	**Export**
Standards	**IEC 60947-4-1, IEC 60947-2, UL508**
Certificates	**CE, UL, CCC**
Certificates	**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 Ie 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**
Function	**Phase failure function**
Function	**Short circuit protection**
Ultimate short-circuit breaking capacity (Icu)	**100kA at 220V/240V/230V**
Ultimate short-circuit breaking capacity (Icu)	**100kA at 415V/400V**
Ultimate short-circuit breaking capacity (Icu)	**100kA at 460V/440V**
Ultimate short-circuit breaking capacity (Icu)	**100kA at 525V/500V**
Ultimate short-circuit breaking capacity (Icu)	**100kA at 690V/600V**
Rated service short-circuit breaking capacity (Ics)	**100kA at 220V/240V/230V**
Rated service short-circuit breaking capacity (Ics)	**100kA at 415V/400V**
Rated service short-circuit breaking capacity (Ics)	**100kA at 460V/440V**

Rated service short-circuit breaking capacity (Ics)	**100kA at 525V/500V**
Rated service short-circuit breaking capacity (Ics)	**100kA at 690V/600V**
Switching of standard three-phase motors (AC-2, AC-3)	**0.02kW at 400V/415V**
Back-up fuses (gG, gL, only if Icc>Icu)	**No back up fuse required**
Back-up fuses (gG, gL, only if Icc>Icu)	**No back up fuse required**
Back-up fuses (gG, gL, only if Icc>Icu)	**No back up fuse required**
Back-up fuses (gG, gL, only if Icc>Icu)	**No back up fuse required**
Back-up fuses (gG, gL, only if Icc>Icu)	**No back up fuse required**
Wire Single-core [㎟]/[AWG]	**1~10 / 18~8 at 1 conductor**
Wire Single-core [㎟]/[AWG]	**1~6 / 18~10 at 2 conductors**
Wire Stranded [㎟]/[AWG]	**1~6 / 18~10 at 1 conductor**
Wire Stranded [㎟]/[AWG]	**1~6 / 18~10 at 2 conductors**
Wire Flexible [㎟]/[AWG]	**1~6 / 18~10 at 1 conductor**
Wire Flexible [㎟]/[AWG]	**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**
Ambient air temperature	**-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**
Drawing	**MMS 32S-01.jpg**
CHARACTERISTIC CURVES (INCLUDING THERMAL LIMIT ON SHORT CIRCUIT FOR MMS)	
Tripping curve	**MMS-32AF-horz.png**