

Metasol Manual Motor Starter

MMS-32S



General

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|--------------------------------------|-----------------------------------|
| Product code | 0705100900 |
| Product description | MMS-32S 6A METASOL EXP |
| Type | Current adjustable type |
| Breaking capacity | Standard |
| Rated operational current (Ie) | 6A |
| Thermal release Adjustment range (A) | 4~6 |
| 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

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

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| 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 |
| | Short circuit protection |
| Ultimate short-circuit breaking capacity (I _{cu}) | 100kA at 220V/240V/230V |
| | 100kA at 415V/400V |
| | 15kA at 460V/440V |
| | 10kA at 525V/500V |
| | 3kA at 690V/600V |
| Rated service short-circuit breaking capacity (I _{cs}) | 100kA at 220V/240V/230V |
| | 100kA at 415V/400V |
| | 11kA at 460V/440V |
| | 8kA at 525V/500V |
| | 3kA at 690V/600V |
| Switching of standard three-phase motors (AC-2, AC-3) | 1.1/1.5kW at 230V/240V |
| | 2.2kW at 400V/415V |
| | 3kW at 500V |
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| | 3.7/4kW at 690V |
| Back-up fuses (gG, gL, only if $I_{cc} > I_{cu}$) | No back up fuse required |
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| | 50kA at 440V/460V |
| | 50kA at 500V |
| | 50kA 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 |

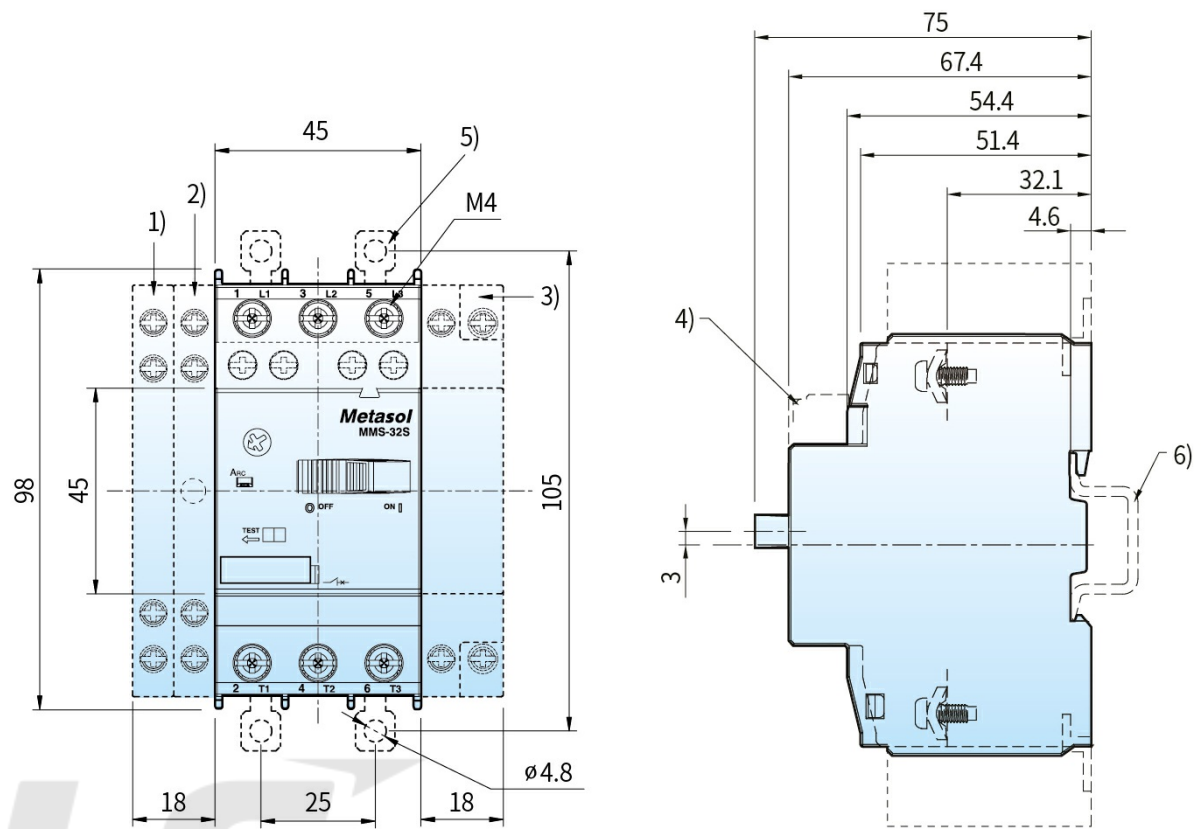
Environment

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|----------------------------------|----------------------------|
| 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 |

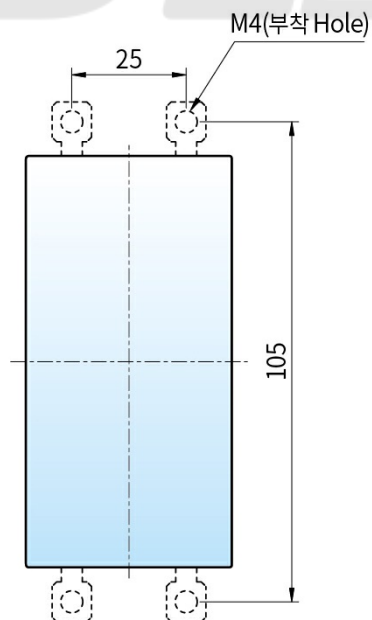
Dimensions

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

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|-------------|-----------------|
| 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

