

Metasol Manual Motor Starter

MMS-32S



General

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Product code                         | 0705101241                         |
| Product description                  | MMS-32S 13A METASOL DIAL COVER EXP |
| Type                                 | Current adjustable type            |
| Breaking capacity                    | Standard                           |
| Rated operational current (Ie)       | 13A                                |
| Thermal release Adjustment range (A) | 9~13                               |
| 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 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      |
|                                                       | Phase failure function   |
|                                                       | Short circuit protection |
| Ultimate short-circuit breaking capacity (Icu)        | 100kA at 220V/240V/230V  |
|                                                       | 50kA at 415V/400V        |
|                                                       | 10kA at 460V/440V        |
|                                                       | 6kA at 525V/500V         |
|                                                       | 3kA at 690V/600V         |
| Rated service short-circuit breaking capacity (Ics)   | 100kA at 220V/240V/230V  |
|                                                       | 38kA 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) | 3kW at 230V/240V         |
|                                                       | 5.5kW at 400V/415V       |
|                                                       | 7.5kW at 500V            |
|                                                       |                          |

|                                                    |                                |
|----------------------------------------------------|--------------------------------|
|                                                    | 11kW at 690V                   |
| Back-up fuses (gG, gL, only if $I_{cc} > I_{cu}$ ) | No back up fuse required       |
|                                                    | 80kA at 400V/415V              |
|                                                    | 80kA at 440V/460V              |
|                                                    | 80kA at 500V                   |
|                                                    | 63kA at 690V                   |
| Wire Single-core<br>[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<br>[Nm]/[lb-in]                  | 0.8~2.5 / 7~22                 |

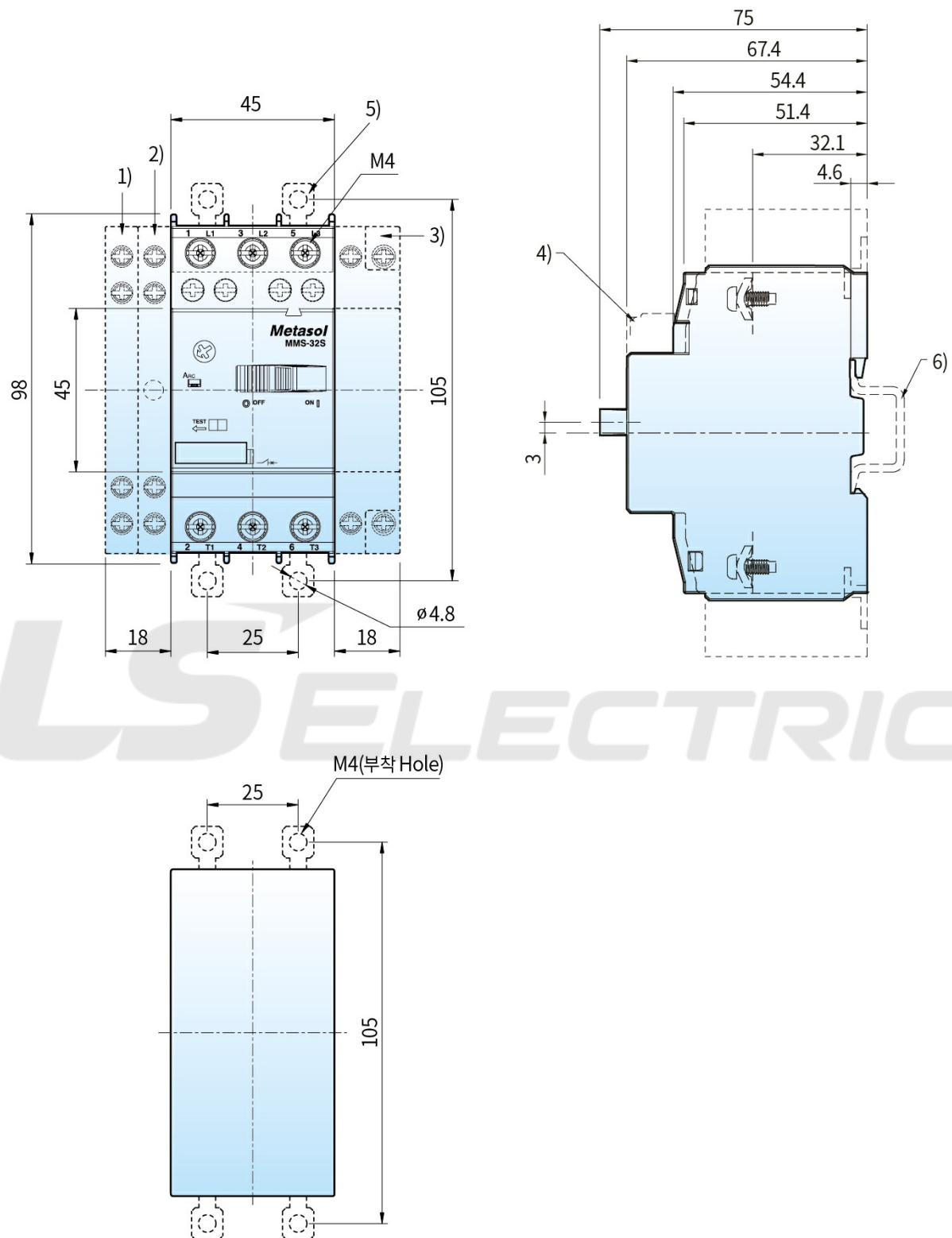
#### Environment

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



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

MMS-32S/H/Hi

