



Motor starter 0.16-0.25A 2.5M

MM502N

#### Architecture

Number of poles	3 P
Type of pole	3 P

#### Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	230/690 V

#### Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	6000 V

#### Electric current

Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	150 kA
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Breaking point 230 V 50 Hz EN 60947-2 (IEC157-1)	100 kA
Breaking point 400 V 50 Hz EN 60947-2 (IEC157-1)	100 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	150 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	100 kA
Magnetic regulating current at 40° C	12,4/15,5/18,6 In
Thermal trip setting with 30°	0,16/0,25 A

#### Electric current / temperature

Rating current -15°C	0,25 A
Rating current -20°C	0,25 A
Rating current 0°C	0,25 A
Rating current 10°C	0,25 A
Rating current -10°C	0,25 A
Rating current 15°C	0,25 A
Rating current 20°C	0,25 A
Rating current 25°C	0,25 A
Rating current -25°C	0,25 A

Technical Properties

Rating current 30°C	0,25 A
Rating current 35°C	0,25 A
Rating current 40°C	0,25 A
Rating current 45°C	0,25 A
Rating current 5°C	0,25 A
Rating current -5°C	0,25 A
Rating current 50°C	0,25 A
Rating current 55°C	0,25 A
Rating current 0°C according to IEC 60947-2	0,25 A
Rating current 10°C according to IEC 60947-2	0,25 A
Rating current -10°C according to IEC 60947-2	0,25 A
Rating current 150°C according to IEC 60947-2	0,25 A
Rating current -15°C according to IEC 60947-2	0,25 A
Rating current 20°C according to IEC 60947-2	0,25 A
Rating current -20°C according to IEC 60947-2	0,25 A
Rating current 25°C according to IEC 60947-2	0,25 A
Rating current -25°C according to IEC 60947-2	0,25 A
Rating current 30°C according to IEC 60947-2	0,25 A
Rating current 35°C according to IEC 60947-2	0,25 A
Rating current 40°C according to IEC 60947-2	0,25 A
Rating current 45°C according to IEC 60947-2	0,25 A
Rating current 5°C according to IEC 60947-2	0,25 A
Rating current -5°C according to IEC 60947-2	0,25 A
Rating current 50°C according to IEC 60947-2	0,25 A
Rating current 55°C according to IEC 60947-2	0,25 A

**Power**

Power loss per pole at In	1,7 W
Total power loss under IN	5,1 W
Standard power rating of 3 phase motor in AC3 under 400V	0,06 kW

**Endurance**

Electric endurance in number of cycles	50000
Mechanical endurance in number of operations per hour	40
Number of mechanical operations	100000

**Dimensions**

Depth of installed product	70 mm
Height of installed product	90 mm
Width of installed product	45 mm

**Installation, mounting**

Tightening torque	1,7Nm
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**Connection**

Type of connection	with screw
Connection cross section of access and exit with screws, for flexible conductor	1/6 mm <sup>2</sup>
Connection cross-section of input and output with screws, for massive conductors	1/6 mm <sup>2</sup>

#### Settings

min/maxi threshold value of the AC magnetic operation	3,1/4,7 A
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#### Equipment

Automatic compensation of the temperature	-25 to 55 °C
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#### Use cases

Category of use	AC-3
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#### Use

Vibrations and shocks withstand	half-sinusoidal shock 10ms to IEC 60068-2-27 - 25g
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#### Standards

Standard text	IEC 60947-2, IEC 60 947-4-1
European directive WEEE	concerned

#### Safety

Protection index IP	IP20
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#### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Storage temperature	-25 to 80 °C
Air humidity protection	IEC 60068-2-78 / IEC 60068-2-30