

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 15KA AT 400V, 20...25A



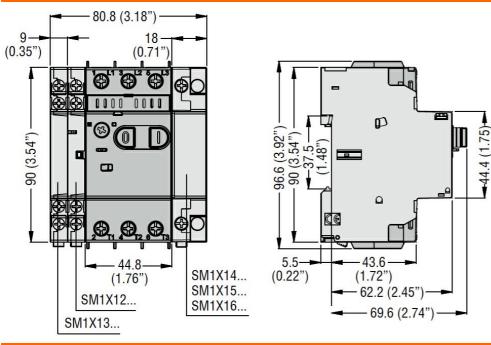
| Product designation | | | | Motor protective circuit breaker |
|--|--|--------------------------------------|------------------|-------------------------------------|
| Product type designation | | | | SM1P |
| Electrical features | | | | 2 |
| Number of poles Magnetic protection | | | nr. | 3 |
| Thermal protection | . | | | yes yes |
| Phase failure detection | | | | yes |
| Rated insulation voltage l | Ji JEC/EN | | V | 690 |
| Rated impulse withstand | | | kV | 6 |
| Rated frequency | voltage omp | | Hz | 50/60 |
| Thermal trip adjustment ra | ange | | 112 | 2025 |
| Rated current (In) | 3190 | | Α | 25 |
| Magnetic tripping | | | ,, | 13 x In |
| Total power dissipation | | | W | 2.83 |
| | current breaking capacity (lcs) at AC | | ** | 2.00 |
| operational short elleant e | The first broaking capacity (103) at 710 | 230V | kA | 50 |
| | | 400V | kA | 5 |
| | | 440V | kA | 5 |
| | | 500V | kA | 5 |
| | | 690V | kA kA | 2 |
| Maximum short-circuit cui | rrent breaking capacity (Icu) at AC | 0901 | KΛ | |
| viaximum Short-Circuit Cur | Terit breaking capacity (104) at MC | 230V | kA | 50 |
| | | 230 V 400 V | kA kA | 15 |
| | | | kA kA | |
| | | 440V 500V | kA kA | 10 10 |
| | | 690V | kA kA | 2 |
| Trinning along | | 090 V | KA. | |
| Tripping class | | | | 10A |
| IEC Utilization category | | | | Α |
| Operations | | | and the second | 400000 |
| Mechanical life | | | cycles | 100000 |
| Electrical life | | | cycles | 100000 |
| Mechanical features | et ann | | | |
| Tightening torque for term | inais | | | 0.5 |
| | | min | Nm | 2.5 |
| | | max | Nm | 3 |
| | | min | lbin | 1.8 |
| | | max | lbin | 2.2 |
| Max number of wires sime | ultaneously connectable | | nr. | 2 |
| Conductor section | | | | |
| | AWG/Kcmil | | | |
| | | min | | 16 |
| | | max | | 8 |
| | Flexible w/o lug conductor section | | | |
| | | | | - |
| | | min | mm² | 1 |
| | Flexible c/w lug conductor section | min | mm² | |
| | | min min | mm² | |
| | Flexible c/w lug conductor section Flexible with insulated spade lug conductor section | | | 1 |
| | | | | 1 1 1 |
| | Flexible with insulated spade lug conductor section | min | mm² | 1 1 1 PH2 |
| | | min | mm² | 1 1 1 |
| Power terminal protection | Flexible with insulated spade lug conductor section | min | mm² | 1 1 1 PH2 |
| Power terminal protection | Flexible with insulated spade lug conductor section | min | mm² | 1 1 1 PH2 |
| Power terminal protection Cable stripping lenght | Flexible with insulated spade lug conductor section | min min | mm² mm² | 1 1 1 PH2 IP20 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section | min min | mm² mm² | 1 1 1 PH2 IP20 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section | min min | mm² mm² | 1 1 1 PH2 IP20 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section according to IEC/EN 60529 | min min | mm² mm² | 1 1 1 PH2 IP20 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section according to IEC/EN 60529 | min min main circuit | mm² mm² | 1 1 1 PH2 IP20 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section n according to IEC/EN 60529 Operating temperature | min min main circuit min | mm² mm² | 1 1 1 PH2 IP20 1 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section according to IEC/EN 60529 | min min max | mm² mm² | 1 1 1 PH2 IP20 1 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section n according to IEC/EN 60529 Operating temperature | min min main circuit min max min | mm² mm °C °C °C | 1 1 1 PH2 IP20 1 -20 60 -50 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature | min min max | mm² mm² | 1 1 1 PH2 IP20 1 |
| Power terminal protection Cable stripping lenght Ambient conditions | Flexible with insulated spade lug conductor section n according to IEC/EN 60529 Operating temperature | min min main circuit min max min max | mm² mm °C °C °C | 1 1 1 1 PH2 IP20 1 -20 60 -50 80 |
| Screwdriver Power terminal protection Cable stripping lenght Ambient conditions Temperature | Flexible with insulated spade lug conductor section according to IEC/EN 60529 Operating temperature Storage temperature | min min main circuit min max min | mm² mm °C °C °C | 1 1 1 PH2 IP20 1 -20 60 -50 |

ENERGY AND AUTOMATION

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| Operating position | | |
|--|---------------------|--------------------------------|
| normal | | Vertical plan |
| allowable | | Any |
| Fixing | | Screw / DIN rail 35mm |
| Weight | g | 350 |
| UL technical data | | |
| JL508 / UL60947-4-1 Manual Motor Controller - Short circuit current | | |
| Motor Disconnect | | |
| at 240V | kA | 5 |
| at 480V | kA | 5 |
| protection | | Fuse or CB |
| Group Motor Installation | | |
| at 240V | kA | 5 |
| at 480V | kA | 5 |
| protection | | Fuse or CB |
| Tap Conductor Protection | | |
| at 480Y/277V | kA | 50 |
| at 600Y/347V | kA | 50 |
| JL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current | | |
| UL508 / UL 60947-4-1 Manual Self Protected Combination N | lotor Ю ontr | oller5(Type E) Short-circuit o |
| UL508 / UL 60947-4-1 Manual Self Protected Combination N | | |
| UL508 / UL 60947-4-1 Manual Self Protected Combination N | lotor Ø ontr | oller5(Type E) Short-circuit o |
| Maximum UL/CSA horsepower ratings single-phase | | |
| at 110V-120V | hp | 2 |
| at 220V-240V | hp | 3 |
| Maximum UL/CSA horsepower ratings three-phase, 3-pole | | |
| at 200V-208V | hp | 5 |
| at 220V-240V | hp | 7.5 |
| at 440V-480V | hp | 15 |
| at 550V-600V | hp | 20 |

Dimensions

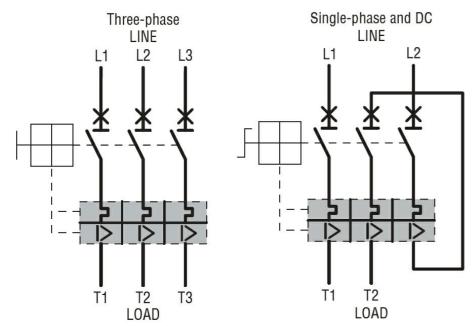


Wiring diagrams



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| Certifications and com | npliance | |
|------------------------|------------------|--|
| Certifications | | |
| | CSA C22.2 n° 14 | |
| | IEC/EN 60947-1 | |
| | IEC/EN 60947-2 | |
| | IEC/EN 60947-4-1 | |
| | UL508 | |
| Compliance | | |

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