INDUSTRIAL MARINE RAILWAY

SM1R2300

MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V,



| Product designation | | | Motor protective circuit breaker |
|---|-----|--------|----------------------------------|
| Product type designation | | | SM1R |
| Electrical features | | | |
| Number of poles | | nr. | 3 |
| Magnetic protection | | | yes |
| Thermal protection | | | yes |
| Phase failure detection | | | Yes |
| Rated insulation voltage Ui IEC/EN | | V | 690 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Rated frequency | | Hz | 50/60 |
| Thermal trip adjustment range | | | 1723 |
| Rated current (In) | | Α | 23 |
| Magnetic tripping | | | 13 x ln |
| Total power dissipation | | W | 3.41 |
| Operational short-circuit current breaking capacity (Ics) at AC | | | |
| 2 | 30V | kA | 100 |
| | 00V | kA | 25 |
| 4 | 40V | kA | 5 |
| 5 | 00V | kA | 5 |
| 6 | 90V | kA | 2 |
| Maximum short-circuit current breaking capacity (Icu) at AC | | | |
| | 30V | kA | 100 |
| | 00V | kA | 25 |
| | 40V | kA | 50 |
| | 00V | kA | 10 |
| 6 | 90V | kA | 4 |
| Tripping class | | | 10A |
| IEC Utilization category | | | A |
| Operations | | | |
| Mechanical life | | cycles | 100000 |
| Electrical life | | cycles | 100000 |
| Mechanical features | | 2,0.00 | |
| Tightening torque for terminals | | | |
| riginaring tarqua for terminala | min | Nm | 2.5 |
| | max | Nm | 3 |
| | min | lbin | 1.8 |
| | max | Ibin | 2.2 |
| Max number of wires simultaneously connectable | | nr. | 2 |
| Conductor section | | | - |
| AWG/Kcmil | | | |
| A CANONINA | min | | 16 |
| | max | | 8 |
| Flexible w/o lug conductor section | ux | | |
| Tionible the lag contactor couldn't | min | mm² | 1 |

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| | Flexible c/w lug conductor section | | | |
|--------------------------|--|----------------|-----|--------------------------|
| | | min | mm² | 1 |
| | Flexible with insulated spade lug cond | ductor section | | |
| | | min | mm² | 1 |
| Screwdriver | | | | PH2 |
| | tion according to IEC/EN 60529 | | | IP20 |
| Cable stripping lenght | | | | |
| | | main circuit | mm | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -20 |
| | | max | °C | 60 |
| | Storage temperature | | | |
| | | min | °C | -50 |
| | | max | °C | 80 |
| | Compensation temperature | | | |
| | | min | °C | -20 |
| | | max | °C | 50 |
| Max altitude | | | m | 3000 |
| Operating position | | | | |
| | | normal | | Vertical plan |
| | | allowable | | Any |
| Fixing | | | | Screw / DIN rail 35mm |
| Weight | | | g | 390 |
| UL technical data | | | | |
| Motor Disconnect | | | | |
| | | at 480V | kA | 30 |
| | | at 600V | kA | 30 |
| | | protection | | 200A class J |
| Group Motor Installation | on | | | |
| | | at 480V | kA | 30 |
| | | at 600V | kA | 30 |
| - | | protection | | 200A class J |
| Maximum UL/CSA hor | sepower ratings single-phase | | | |
| | | 110V-120V | HP | 1.5 |
| | | 220V-240V | HP | 3 |
| Maximum UL/CSA hor | sepower ratings three-phase, 3-pole | | | |
| | | 200V-208V | HP | 5 |
| | | 220V-240V | HP | 7.5 |
| | | 440V-480V | HP | 15 |
| | | 550V-600V | HP | 20 |

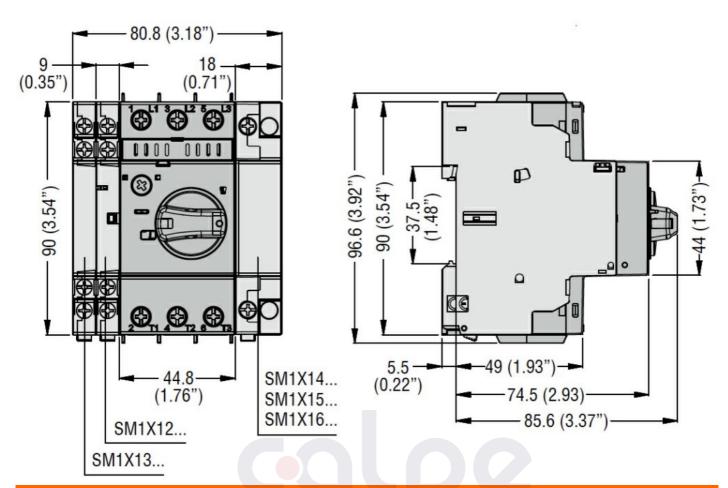
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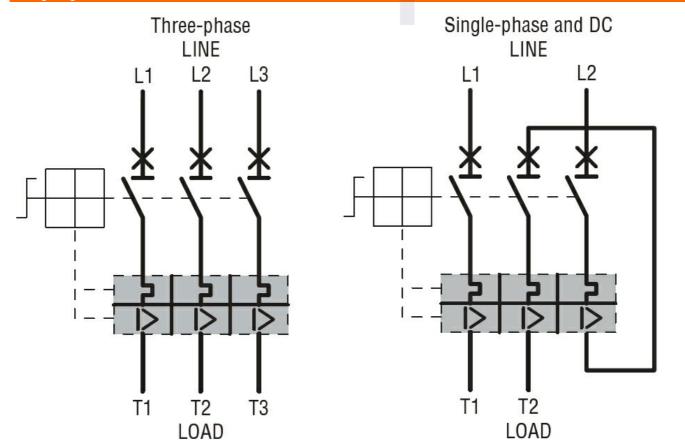
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ENERGY AND AUTOMATION

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Wiring diagrams



Certifications and compliance

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SM1R2300 MOTOR PROTECTION CIRCUIT BREAKER, IEC BREAKING CAPACITY ICU 50KA AT 400V,

Certifications

CSA C22.2 n° 14 IEC/EN 60947-1 IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -Motor protection circuit-breaker

