

OVERLOAD RELAY 12.5...50 A FOR MOTOR PROTECTION SIZE S2, CLASS 20 STAND-ALONE INSTALLATION MAIN CIRCUIT: THROUGH TRANSF. AUX. CIRCUIT: SCREW CONNECTION MANUAL-AUTOMATIC-RESET

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| product brand name | SIRIUS |
| Product designation | solid-state overload relay |

General technical data:

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| Size of contactor can be combined company-specific | S2 |
| Power loss [W] total typical | 0.05 W |
| Insulation voltage | 690 V |
| <ul style="list-style-type: none"> with degree of pollution 3 rated value | 690 V |
| Surge voltage resistance rated value | 6 kV |
| Protection class IP | IP20 |
| <ul style="list-style-type: none"> on the front | IP20 |
| Shock resistance | 15g / 11 ms |
| Type of protection | PTB 06 ATEX 3001 Ex II (2) GD |
| Equipment marking acc. to DIN EN 81346-2 | F |

Ambient conditions:

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| Installation altitude at height above sea level maximum | 2 000 m |
| Ambient temperature | |
| <ul style="list-style-type: none"> during operation | -25 ... +60 °C |
| <ul style="list-style-type: none"> during storage | -40 ... +80 °C |
| <ul style="list-style-type: none"> during transport | -40 ... +80 °C |
| Relative humidity during operation | 100 % |

Main circuit:

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| Number of poles for main current circuit | 3 |
| Adjustable pick-up value current of the current-dependent overload release | 12.5 ... 50 A |
| Operating voltage | 690 V |
| <ul style="list-style-type: none"> at AC-3 rated value maximum | 690 V |

Auxiliary circuit:

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| Number of NC contacts | 1 |
| <ul style="list-style-type: none"> for auxiliary contacts | 1 |
| Number of NO contacts | 1 |
| <ul style="list-style-type: none"> for auxiliary contacts | 1 |
| Number of CO contacts | |

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| <ul style="list-style-type: none"> • for auxiliary contacts | 0 |
| Operating current of auxiliary contacts at AC-15 | |
| <ul style="list-style-type: none"> • at 24 V | 4 A |
| <ul style="list-style-type: none"> • at 110 V | 4 A |
| <ul style="list-style-type: none"> • at 120 V | 4 A |
| <ul style="list-style-type: none"> • at 125 V | 4 A |
| <ul style="list-style-type: none"> • at 230 V | 3 A |
| Operating current of auxiliary contacts at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V | 2 A |
| <ul style="list-style-type: none"> • at 60 V | 0.55 A |
| <ul style="list-style-type: none"> • at 110 V | 0.3 A |
| <ul style="list-style-type: none"> • at 125 V | 0.3 A |
| <ul style="list-style-type: none"> • at 220 V | 0.11 A |

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| Protective and monitoring functions: | |
| Trip class | Class 20 |

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| Short-circuit protection | |
| Design of the fuse link | |
| <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch required | fuse gL/gG: 6 A |

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| Installation/ mounting/ dimensions: | |
| Mounting position | any |
| Mounting type | stand-alone installation |
| Height | 92 mm |
| Width | 55 mm |
| Depth | 109 mm |
| Required spacing | |
| <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards — Backwards — upwards — downwards — at the side | 0 mm 0 mm 0 mm 0 mm 0 mm |
| <ul style="list-style-type: none"> • for grounded parts <ul style="list-style-type: none"> — forwards — Backwards — upwards — at the side — downwards | 0 mm 0 mm 0 mm 6 mm 0 mm |
| <ul style="list-style-type: none"> • for live parts <ul style="list-style-type: none"> — forwards — Backwards | 0 mm 0 mm |

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| — upwards | 0 mm |
| — downwards | 0 mm |
| — at the side | 6 mm |

Connections/ Terminals:

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| Product function | |
| <ul style="list-style-type: none"> removable terminal for auxiliary and control circuit | Yes |
| Type of electrical connection | |
| <ul style="list-style-type: none"> for main current circuit for auxiliary and control current circuit | straight-through transformers screw-type terminals |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing at AWG conductors for auxiliary contacts | 0.5 ... 4 mm ² , 2x (0.5 ... 2.5 mm ²) 0.5 ... 2.5 mm ² , 2x (0.5 ... 1.5 mm ²) 2x (20 ... 14) |

Electromagnetic compatibility:

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|---|---|
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | 10 V/m |
| Electrostatic discharge acc. to IEC 61000-4-2 | 6 kV contact discharge / 8 kV air discharge |

Certificates/approvals

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| General Product Approval | EMC | For use in hazardous locations |
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| Declaration of Conformity | Test Certificates | Shipping Approval |
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| Shipping Approval | other |
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3RB20362UW1>

Cax online generator

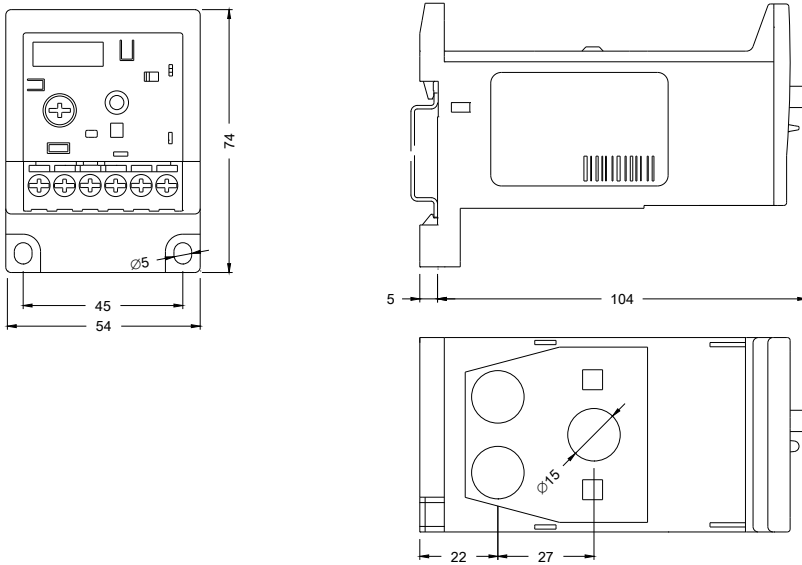
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RB20362UW1>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RB20362UW1>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RB20362UW1&lang=en



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