

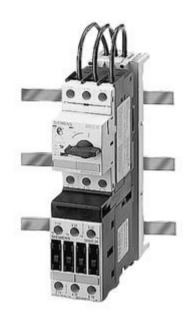


Automation specialists

Reference: 3RA1120-1FD24-0BB4

LOAD FEEDER FUSELESS DIRECT STARTING, AC 400V, SIZE S0 3.5...5 A, DC 24 V, SCREW CONNECTION ON 60 MM BUSBAR ADAPTER TYPE OF COORDIN. 2, IQ = 50 KA (ALSO COMPATIBLE WITH TYPE OF COORDINATION 1)

Buy it at Electric Automation Network



| product brand name | SIRIUS |
|--|-----------------------|
| Product designation | non-fused load feeder |
| Design of the product | direct starter |
| Manufacturer's article number | |
| of the supplied contactor | 3RT1024-1BB40 |
| of the supplied circuit-breakers | 3RV1021-1FA10 |
| of the supplied busbar adapter | 8US1251-5DM07 |
| of the supplied link module | 3RA1921-1BA00 |
| General technical data: | |
| Size of load feeder | S0 |
| Insulation voltage | |
| rated value | 690 V |
| Degree of pollution | 3 |
| Surge voltage resistance rated value | 6 kV |
| Protection class IP | |
| on the front | IP20 |
| Shock resistance | 12.5g |
| Mechanical service life (switching cycles) | |
| of contactor typical | 10 000 000 |
| Type of assignment | 2 |
| Equipment marking | |

| acc. to DN 40719 extended according to IEC 204 2 acoacc. to DN EN 61346-20acc. to DN EN 61346-20Ambient conditions:2 000 mAmbient conditions:2 000 mAmbient conditions:- 20 +70 °Cduring operation- 20 +70 °Cduring operation- 20 + 80 °CMinor foruli:- 20 + 80 °CNumber of poles for main current circuit1Design of the switching contactelectromechanicalduring storage- 5 5 AOperating voltage- 2000 Vat AC-3 rated value maximum400 VOperating current- 2000 Vat AC-3- 2000 V- at 400 Y rated value5.5. /S AOperating power- 2000 V- at 400 Y rated value5.5. /S AOperating power- 2000 V- at 400 Y rated value15. /S AControl circuit/ Control:- 2000 VType of the control supply voltage15. /S AOperating power- 2000 V- at 400 Y rated value15. /S ANortad value- 2000 VControl circuit/ Control:- 2000 VType of voltage of the control supply voltage10000 VAuxiliary circuit:- 2000 VType of voltage of the control supply voltage- 2000 VAuxiliary circuit:- 2000 VType of voltage of the control supply voltage- 2000 VAuxiliary circuit:- 2000 VType of voltage of the control supply voltage- 20000 VAuxiliary circuit:< | | |
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| Abbient conditions: Installation altitude at height above sea level maximum 2000 m Ambient temperature -20+70 °C during operation -55+80 °C Main circuit: 3 Design of the switching contact sectomechanical Adjustable pick-up value current of the current- dependent overload release sinetal Operating voltage - at AC-3 rated value maximum 400 V Operating current 3.6.6 A - at 400 V rated value 3.6.6 A Operating power 1.5. KW - at 400 V rated value 24.V No for disage of the control supply voltage Control supply - at 400 V rated value 24.V No for disage of the control supply voltage 24.V Control supply voltage 1 24.V Control supply voltage 1 Second Auxiliary contacts 9 Poduct extension Auxiliary switch Ne Auxiliary contacts 0 Control supply voltage 1 0 Auxiliary contacts 0 Number of NC contacts <td< td=""><td>acc. to DIN EN 61346-2</td><td>Q</td></td<> | acc. to DIN EN 61346-2 | Q |
| Installation altitude at height above sea level maximum 2000 m Ambient temperature | acc. to DIN EN 81346-2 | Q |
| Ambient temperature Image: Constraint of the solution | Ambient conditions: | |
| during operation20 +70 °Cduring storage55 +80 °CMain circuit:3Number of poles for main current circuit3Design of the switching contactelectromechanicalAdjustable pick-up value current of the current- dependent overload releaseis 5 AType of the motor protectionbimetalOperating voltage400 VOperating current400 VOperating current3.6 A- at 400 V rated value3.6 AOperating power5.1/5- at 400 V rated value1.5 kWNo-load switching frequency15 1/5Control circuit Control:VType of voltage of the control supply voltageDCActification current24 VAuxiliary circuit:YesProduct extension Auxiliary switchYesNumber of NC contacts0for auxiliary contacts0for au | Installation altitude at height above sea level maximum | 2 000 m |
| during storage -55 +80 °C Main circuit: 3 Number of poles for main current circuit 3 Design of the switching contact electromechanical dijustable pick-up value current of the current- 3.5 5 A diper of the motor protection bimetal Operating voltage - at AC-3 rated value maximum 400 V Operating current - - at 400 V rated value 3.6 A Operating power - - at 400 V rated value 1.5 kW No-load switching frequency 15 I/s Control circuit/ Control: - Type of voltage of the control supply voltage C Auxiliary circuit: - Type of voltage of the control supply voltage C Control supply voltage 1 24 V Auxiliary circuit: - Product extension Auxiliary switch Yes Number of NC contacts 0 for auxiliary contacts 0 for auxiliary contacts 0 for auxiliary contacts 0 | Ambient temperature | |
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| at AC-3 rated value maximum 400 V Operating current - at AC-3 - - at 400 V rated value 3.6 A Operating power - at AC-3 - - at 400 V rated value 3.6 A Operating power - at AC-3 - - at 400 V rated value 1.5 kW No-load switching frequency 15 1/s Control circuit/ Control: - Type of voltage of the control supply voltage DC Control supply voltage 1 24 V Auxiliary circuit: - Product extension Auxiliary switch Yes Number of NC contacts 0 for auxiliary contacts 0 Number of NO contacts 0 for auxiliary contacts 0 for auxil | Type of the motor protection | bimetal |
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| Control supply voltage 1 Image: Control supply voltage 1 at DC rated value 24 V Auxiliary circuit: Yes Product extension Auxiliary switch Yes Number of NC contacts 0 for auxiliary contacts 0 Protective and monitoring functions: Image: Contact Supplement Suplem | Control circuit/ Control: | |
| at DC rated value 24 V Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts 0 for auxiliary contacts 0 for auxiliary contacts 0 for auxiliary contacts 0 for auxiliary contacts 0 Number of CO contacts 0 for auxiliary contacts 0 | Type of voltage of the control supply voltage | DC |
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| Number of NC contacts 0 for auxiliary contacts 0 Number of NO contacts 0 for auxiliary contacts 0 Number of CO contacts 0 for auxiliary contacts 0 Protective and monitoring functions: 0 Maximum short-circuit current breaking capacity (Icu) 0 | Auxiliary circuit: | |
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| Number of CO contacts 0 for auxiliary contacts 0 Protective and monitoring functions: | Number of NO contacts | |
| for auxiliary contacts 0 Protective and monitoring functions: Maximum short-circuit current breaking capacity (Icu) | for auxiliary contacts | 0 |
| Protective and monitoring functions: Maximum short-circuit current breaking capacity (Icu) | Number of CO contacts | |
| Maximum short-circuit current breaking capacity (Icu) | for auxiliary contacts | 0 |
| | Protective and monitoring functions: | |
| at 400 V rated value 50 kA | Maximum short-circuit current breaking capacity (Icu) | |
| | at 400 V rated value | 50 kA |

| Short-circuit protection | |
|---|--|
| Product function | |
| Short circuit protection | Yes |
| Design of short-circuit protection | circuit-breakers |
| Installation/ mounting/ dimensions: | |
| Mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| Mounting type | for snapping onto 60 mm busbar systems |
| Height | 183 mm |
| Witd> | 45 mm |
| Depth | 154 mm |
| Required spacing | |
| with side-by-side mounting | |
| — at the side | 0 mm |
| for grounded parts | |
| — forwards | 10 mm |
| — Backwards | 0 mm |
| — upwards | 30 mm |
| — at the side | 9 mm |
| for live parts | |
| — forwards | 10 mm |
| — Backwards | 9 mm |
| — downwards | 0 mm |
| — at the side | 30 mm |
| Connections/Terminals: | |
| Type of electrical connection | |
| for main current circuit | screw-type terminals |
| Type of connectable conductor cross-sections | |
| for main contacts | |
| — solid | 1 6 mm², 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| — stranded | 1 6 mm², 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| - finely stranded with core end processing | 1 6 mm², 2x (1 2.5 mm²), 2x (2.5 6 mm²) |
| at AWG conductors for main contacts | 2x (14 10) |
| Connectable conductor cross-section for main contacts | |
| single or multi-stranded | 1 6 mm² |
| finely stranded with core end processing | 1 6 mm² |
| AWG number as coded connectable conductor cross section | |

| for main contacts | 14 10 | |
|------------------------------------|-------|--|
| Communication/ Protocol: | | |
| Product function Bus communication | No | |
| Protocol | | |
| is supported PROFIBUS DP protocol | No | |
| is supported PROFINET protocol | No | |
| Protocol is supported | | |
| AS-interface protocol | No | |
| Inputs/ Outputs: | | |
| Number of digital inputs | 0 | |