

CONTACTOR, AC-3 7.5 KW/400 V, DC 24 V, 3-POLE, SIZE S0,  
CAGE CLAMP CONNECTION REUSABLE PACKING PACKING =  
52 ITEMS



Figure similar

|                                                                                     |                 |
|-------------------------------------------------------------------------------------|-----------------|
| product brand name                                                                  | SIRIUS          |
| Product designation                                                                 | power contactor |
| General technical data                                                              |                 |
| Size of contactor                                                                   | S0              |
| Degree of pollution                                                                 | 3               |
| Protection class IP                                                                 |                 |
| • on the front                                                                      | IP20            |
| • of the terminal                                                                   | IP20            |
| Mechanical service life (switching cycles)                                          |                 |
| • of contactor typical                                                              | 10 000 000      |
| • of the contactor with added electronics-compatible auxiliary switch block typical | 5 000 000       |
| • of the contactor with added auxiliary switch block typical                        | 10 000 000      |
| Ambient conditions                                                                  |                 |
| Installation altitude at height above sea level maximum                             | 2 000 m         |

|                                                        |                |
|--------------------------------------------------------|----------------|
| <b>Ambient temperature</b>                             |                |
| • during operation                                     | -25 ... +60 °C |
| <b>Main circuit</b>                                    |                |
| <b>Number of poles for main current circuit</b>        | 3              |
| <b>Number of NO contacts for main contacts</b>         | 3              |
| <b>Number of NC contacts for main contacts</b>         | 0              |
| <b>Operating current</b>                               |                |
| • at AC-1 at 400 V                                     |                |
| — at ambient temperature 40 °C rated value             | 40 A           |
| • at AC-1                                              |                |
| — up to 690 V at ambient temperature 40 °C rated value | 40 A           |
| — up to 690 V at ambient temperature 60 °C rated value | 35 A           |
| • at AC-3                                              |                |
| — at 400 V rated value                                 | 17 A           |
| <b>Operating current</b>                               |                |
| • at 1 current path at DC-1                            |                |
| — at 24 V rated value                                  | 35 A           |
| — at 110 V rated value                                 | 4.5 A          |
| • with 2 current paths in series at DC-1               |                |
| — at 24 V rated value                                  | 35 A           |
| — at 110 V rated value                                 | 35 A           |
| • with 3 current paths in series at DC-1               |                |
| — at 24 V rated value                                  | 35 A           |
| — at 110 V rated value                                 | 35 A           |
| <b>Operating current</b>                               |                |
| • at 1 current path at DC-3 at DC-5                    |                |
| — at 24 V rated value                                  | 20 A           |
| — at 110 V rated value                                 | 2.5 A          |
| • with 2 current paths in series at DC-3 at DC-5       |                |
| — at 110 V rated value                                 | 15 A           |
| — at 24 V rated value                                  | 35 A           |
| • with 3 current paths in series at DC-3 at DC-5       |                |
| — at 110 V rated value                                 | 35 A           |
| — at 24 V rated value                                  | 35 A           |
| <b>Operating power</b>                                 |                |
| • at AC-1                                              |                |
| — at 400 V rated value                                 | 23 kW          |
| • at AC-2 at 400 V rated value                         | 7.5 kW         |
| • at AC-3                                              |                |

|                                                                                               |        |
|-----------------------------------------------------------------------------------------------|--------|
| — at 400 V rated value                                                                        | 7.5 kW |
| — at 500 V rated value                                                                        | 10 kW  |
| — at 690 V rated value                                                                        | 11 kW  |
| <b>Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor</b> | 0.9 W  |

| Control circuit/ Control                                                              |             |
|---------------------------------------------------------------------------------------|-------------|
| <b>Type of voltage of the control supply voltage</b>                                  | DC          |
| <b>Control supply voltage at DC</b>                                                   |             |
| • rated value                                                                         | 24 V        |
| <b>Operating range factor control supply voltage rated value of magnet coil at DC</b> | 0.8 ... 1.1 |
| <b>Closing power of magnet coil at DC</b>                                             | 5.4 W       |
| <b>Holding power of magnet coil at DC</b>                                             | 5.4 W       |

| Auxiliary circuit                                |                                                 |
|--------------------------------------------------|-------------------------------------------------|
| <b>Number of NC contacts</b>                     |                                                 |
| • for auxiliary contacts                         |                                                 |
| — instantaneous contact                          | 0                                               |
| <b>Number of NO contacts</b>                     |                                                 |
| • for auxiliary contacts                         |                                                 |
| — instantaneous contact                          | 0                                               |
| <b>Operating current at AC-12 maximum</b>        | 10 A                                            |
| <b>Operating current at AC-15</b>                |                                                 |
| • at 230 V rated value                           | 6 A                                             |
| • at 400 V rated value                           | 3 A                                             |
| <b>Operating current at DC-12</b>                |                                                 |
| • at 60 V rated value                            | 6 A                                             |
| • at 110 V rated value                           | 3 A                                             |
| • at 220 V rated value                           | 1 A                                             |
| <b>Operating current at DC-13</b>                |                                                 |
| • at 24 V rated value                            | 10 A                                            |
| • at 60 V rated value                            | 2 A                                             |
| • at 110 V rated value                           | 1 A                                             |
| • at 220 V rated value                           | 0.3 A                                           |
| <b>Contact reliability of auxiliary contacts</b> | 1 faulty switching per 100 million (17 V, 1 mA) |

| Short-circuit protection                                        |                  |
|-----------------------------------------------------------------|------------------|
| <b>Design of the fuse link</b>                                  |                  |
| • for short-circuit protection of the main circuit              |                  |
| — with type of coordination 1 required                          | fuse gL/gG: 63 A |
| — with type of assignment 2 required                            | fuse gL/gG: 25 A |
| • for short-circuit protection of the auxiliary switch required | fuse gL/gG: 10 A |

## Installation/ mounting/ dimensions

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| <b>Mounting type</b>    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| • Side-by-side mounting | Yes                                                                                    |
| <b>Height</b>           | 85 mm                                                                                  |
| <b>Width</b>            | 45 mm                                                                                  |
| <b>Depth</b>            | 100 mm                                                                                 |
| <b>Required spacing</b> |                                                                                        |
| • for grounded parts    |                                                                                        |
| — at the side           | 6 mm                                                                                   |

## Connections/Terminals

|                                                     |                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Type of electrical connection</b>                |                                                                                              |
| • for main current circuit                          | screw-type terminals                                                                         |
| • for auxiliary and control current circuit         | spring-loaded terminals                                                                      |
| <b>Type of connectable conductor cross-sections</b> |                                                                                              |
| • for main contacts                                 |                                                                                              |
| — solid                                             | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), max. 2x 10 mm <sup>2</sup> |
| — single or multi-stranded                          | 2x (1 ... 2,5 mm <sup>2</sup> ), 2x (2,5 ... 6 mm <sup>2</sup> ), max. 2x 10 mm <sup>2</sup> |
| — finely stranded with core end processing          | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> )                             |
| • at AWG conductors for main contacts               | 2x (16 ... 12), 2x (14 ... 10), 1x 8                                                         |
| <b>Type of connectable conductor cross-sections</b> |                                                                                              |
| • for auxiliary contacts                            |                                                                                              |
| — solid                                             | 2x (0.25 ... 2.5 mm <sup>2</sup> )                                                           |
| — finely stranded with core end processing          | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                           |
| — finely stranded without core end processing       | 2x (0.25 ... 2.5 mm <sup>2</sup> )                                                           |
| • at AWG conductors for auxiliary contacts          | 2x (24 ... 14)                                                                               |

## Certificates/approvals

| General Product Approval                                                                 |                                                                                          |                                                                                   | Declaration of<br>Conformity                                                                  | Test Certificates                                      |                                                        |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| <br>CCC | <br>CSA |  | <br>EG-Konf. | <a href="#">spezielle<br/>Prüfbescheinigunge<br/>n</a> | <a href="#">Typprüfbescheinigu<br/>ng/Werkszeugnis</a> |

| Shipping Approval                                                                        |                                                                                          |                                                                                         |                                                                                          |                                                                                             |                                                                                             |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <br>ABS | <br>DNV | <br>GL | <br>LRS | <br>RINA | <br>RMRS |

| other                   |                               |                                   |
|-------------------------|-------------------------------|-----------------------------------|
| <a href="#">sonstig</a> | <a href="#">Bestätigungen</a> | <a href="#">Umweltbestätigung</a> |

#### 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?mlfb=3RT1025-3BB40-Z X95>

##### Cax online generator

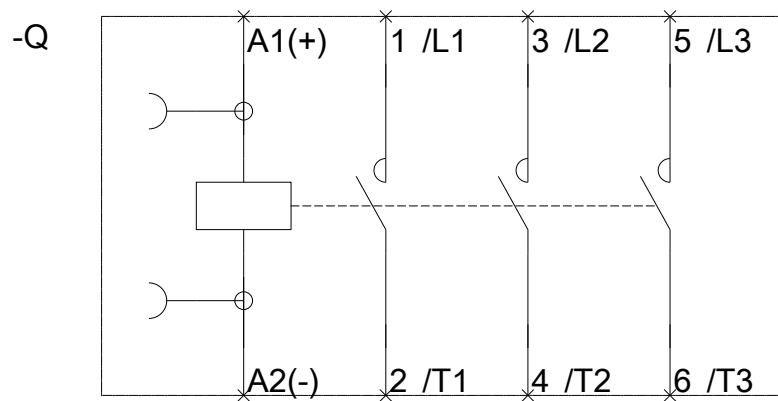
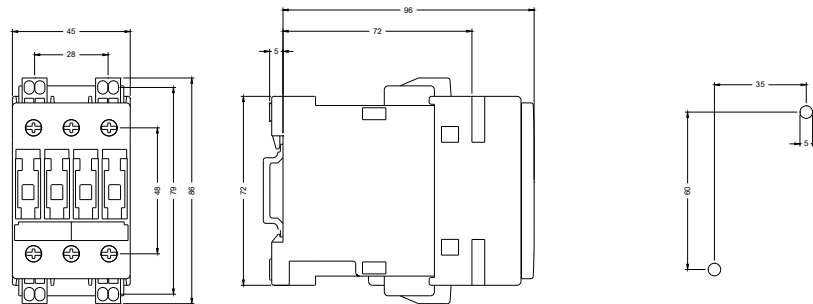
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1025-3BB40-Z X95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RT1025-3BB40-Z X95>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RT1025-3BB40-Z X95&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1025-3BB40-Z X95&lang=en)



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