

Power contactor, AC-3 115 A, 55 kW / 400 V 1 NO + 1 NC, 20-33 V AC/DC 3-pole, 3 NO, Size S3 screw terminals integrated varistor



Figure similar

|   |                 |
|---|-----------------|
| <b>Product brand name</b>                             | SIRIUS          |
| <b>Product designation</b>                            | Power contactor |
| <b>Product type designation</b>                       | 3RT2            |
| <b>General technical data</b>                         |                 |
| <b>Size of contactor</b>                              | S3              |
| <b>Product extension</b>                              |                 |
| • function module for communication                   | No              |
| • Auxiliary switch                                    | Yes             |
| <b>Surge voltage resistance</b>                       |                 |
| • of main circuit rated value                         | 8 kV            |
| • of auxiliary circuit rated value                    | 6 kV            |
| <b>maximum permissible voltage for safe isolation</b> |                 |
| • between coil and main contacts acc. to EN 60947-1   | 690 V           |
| <b>Protection class IP</b>                            |                 |
| • on the front  | IP20            |
| • of the terminal                                     | IP00            |

|   |                              |
|---|------------------------------|
| <b>Shock resistance at rectangular impulse</b>  |                              |
| • at AC   | 6.7 g / 5 ms, 4.0 g / 10 ms  |
| • at DC   | 6.7 g / 5 ms, 4.0 g / 10 ms  |
| <b>Shock resistance with sine pulse</b>   |                              |
| • at AC   | 10.6 g / 5 ms, 6.3 g / 10 ms |
| • at DC   | 10.6 g / 5 ms, 6.3 g / 10 ms |
| <b>Mechanical service life (switching cycles)</b>                                       |                              |
| • 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                   |
| <b>Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b> | K                            |
| <b>Reference code acc. to DIN EN 81346-2</b>  | Q                            |

### Ambient conditions

|  |                |
|--|----------------|
| <b>Installation altitude at height above sea level</b> |                |
| • maximum  | 2 000 m        |
| <b>Ambient temperature</b>                             |                |
| • during operation                                     | -25 ... +60 °C |
| • during storage                                       | -55 ... +80 °C |

### Main circuit

|  |         |
|--|---------|
| <b>Number of poles for main current circuit</b>                    | 3       |
| <b>Number of NO contacts for main contacts</b>                     | 3       |
| <b>Operating voltage</b>   |         |
| • at AC-3 rated value maximum                                      | 1 000 V |
| <b>Operating current</b>   |         |
| • at AC-1 at 400 V   |         |
| — at ambient temperature 40 °C rated value                         | 130 A   |
| • at AC-1  |         |
| — up to 690 V at ambient temperature 40 °C rated value             | 130 A   |
| — up to 690 V at ambient temperature 60 °C rated value             | 110 A   |
| • at AC-2 at 400 V rated value                                     | 110 A   |
| • at AC-3  |         |
| — at 400 V rated value   | 110 A   |
| — at 500 V rated value   | 110 A   |
| — at 690 V rated value   | 98 A    |
| • at AC-4 at 400 V rated value                                     | 97 A    |
| <b>Connectable conductor cross-section in main circuit at AC-1</b> |         |