

Contactor relay, 3 NO + 1 NC, 24 V DC, Size S00, Spring-type terminal



|  |                        |
|--|------------------------|
| Product brand name                         | SIRIUS                 |
| Product designation                        | contactor relay        |
| Product type designation                   | 3RH2                   |
| <b>General technical data</b>              |                        |
| Size of contactor                          | S00                    |
| Product extension                          |                        |
| • Auxiliary switch                         | Yes                    |
| Insulation voltage                         |                        |
| • with degree of pollution 3 rated value   | 690 V                  |
| Degree of pollution                        | 3                      |
| Surge voltage resistance rated value       | 6 kV                   |
| Protection class IP                        |                        |
| • on the front                             | IP20                   |
| Shock resistance at rectangular impulse    |                        |
| • at DC                                    | 10g / 5 ms, 5g / 10 ms |
| Shock resistance with sine pulse           |                        |
| • at DC                                    | 15g / 5 ms, 8g / 10 ms |
| Mechanical service life (switching cycles) |                        |
| • of contactor typical                     | 30 000 000             |

|   |            |
|---|------------|
| <ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block typical</li> </ul> | 5 000 000  |
| <ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block typical</li> </ul>                        | 10 000 000 |
| <b>Reference code acc. to DIN EN 81346-2</b>  | K          |
| <b>Reference code acc. to DIN EN 61346-2</b>  | K          |

### Ambient conditions

|  |                |
|--|----------------|
| <b>Installation altitude at height above sea level</b>               |                |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>          | 2 000 m        |
| <b>Ambient temperature</b>   |                |
| <ul style="list-style-type: none"> <li>• during operation</li> </ul> | -25 ... +60 °C |
| <ul style="list-style-type: none"> <li>• during storage</li> </ul>   | -55 ... +80 °C |

### Main circuit

|   |            |
|---|------------|
| <b>No-load switching frequency</b>                        |            |
| <ul style="list-style-type: none"> <li>• at AC</li> </ul> | 10 000 1/h |
| <ul style="list-style-type: none"> <li>• at DC</li> </ul> | 10 000 1/h |

### Control circuit/ Control

|   |               |
|---|---------------|
| <b>Type of voltage of the control supply voltage</b>                                  | DC            |
| <b>Control supply voltage at DC</b>   |               |
| <ul style="list-style-type: none"> <li>• rated value</li> </ul>                       | 24 V          |
| <b>Operating range factor control supply voltage rated value of magnet coil at DC</b> |               |
| <ul style="list-style-type: none"> <li>• initial value</li> </ul>                     | 0.8           |
| <ul style="list-style-type: none"> <li>• Full-scale value</li> </ul>                  | 1.1           |
| <b>Closing power of magnet coil at DC</b>   | 4 W           |
| <b>Holding power of magnet coil at DC</b>   | 4 W           |
| <b>Closing delay</b>  |               |
| <ul style="list-style-type: none"> <li>• at DC</li> </ul>                             | 30 ... 100 ms |
| <b>Opening delay</b>  |               |
| <ul style="list-style-type: none"> <li>• at DC</li> </ul>                             | 7 ... 13 ms   |
| <b>Arcing time</b>  | 10 ... 15 ms  |

### Auxiliary circuit

|   |      |
|---|------|
| <b>Number of NC contacts for auxiliary contacts</b>                       | 1    |
| <ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul> | 1    |
| <b>Number of NO contacts for auxiliary contacts</b>                       | 3    |
| <ul style="list-style-type: none"> <li>• instantaneous contact</li> </ul> | 3    |
| <b>Identification number and letter for switching elements</b>            | 31 E |
| <b>Operating current at AC-12 maximum</b>                                 | 10 A |
| <b>Operating current at AC-15</b>   |      |
| <ul style="list-style-type: none"> <li>• at 230 V rated value</li> </ul>  | 10 A |