



Figure similar

power relay, AC-3, 8.4 A, 4 kW / 400 V, 3-pole, 24 V AC, 45-450 Hz, auxiliary contacts: 1 NO, screw terminal

|   |  |
|---|--|
| <b>consumed active power</b>  | 4 W  |
| <b>reference code according to IEC 81346-2</b>                                | K  |
| <b>Substance Prohibitance (Date)</b>  | 07/01/2006                                     |
| <b>Weight</b>   | 0.156 kg                                       |
| ambient temperature during operation  | -25 ... +55 °C                                 |
| <b>number of poles</b>  | 4  |
| <b>number of NO contacts for main contacts</b>                                | 3  |
| <b>number of NC contacts for main contacts</b>                                | 0  |
| <b>type of voltage</b>  | AC   |
| <b>operational current</b>  |  |
| • at AC-1 at 400 V rated value  | 20 A   |
| • at AC-3 at 400 V rated value  | 8.4 A  |
| • at AC-3e at 400 V rated value   | 6.4 A  |
| <b>operating power</b>  |  |
| • at AC-3 at 400 V rated value  | 4 kW   |
| • at AC-3e at 400 V rated value   | 3 W  |
| <b>control supply voltage at AC</b>   |  |
| • at 50 Hz rated value  | 24 ... 24 V                                    |
| • at 60 Hz rated value  | 24 ... 24 V                                    |
| <b>supply voltage frequency for auxiliary and control circuit rated value</b> | 45 ... 450 Hz                                  |
| <b>number of NC contacts for auxiliary contacts</b>                           | 0  |
| <b>number of NO contacts for auxiliary contacts</b>                           | 1  |
| number of CO contacts for auxiliary contacts                                  | 0  |
| fastening method side-by-side mounting  | Yes  |
| <b>fastening method</b>   | screw and snap-on mounting onto 35 mm DIN rail |
| <b>height</b>   | 62 mm  |
| <b>width</b>  | 36 mm  |
| <b>depth</b>  | 60 mm  |
| <b>type of electrical connection</b>  |  |
| • for main current circuit  | screw-type terminals                           |
| • for auxiliary and control circuit   | screw-type terminals                           |
| <b>Safety related data</b>  |  |
| product function suitable for safety function                                 | Yes  |
| <b>service life maximum</b>   | 20 a   |
| <b>proportion of dangerous failures</b>                                       |  |
| • with low demand rate according to SN 31920                                  | 40 %   |
| • with high demand rate according to SN 31920                                 | 73 %   |
| <b>B10 value with high demand rate according to SN 31920</b>                  | 400 000  |

|   |         |
|---|---------|
| failure rate [FIT] with low demand rate according to SN 31920 | 100 1/s |
| ISO 13849   |         |
| device type according to ISO 13849-1                          | 3       |
| overdimensioning according to ISO 13849-2 necessary           | Yes     |
| IEC 61508   |         |
| safety device type according to IEC 61508-2                   | Type A  |
| Electrical Safety   |         |
| protection class IP on the front according to IEC 60529       | IP00    |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



| Test Certificates                        | other  | Environment                                 |
|--|--|---|
| <a href="#">Special Test Certificate</a> | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Miscellaneous</a>               |
|  |  | <a href="#">Confirmation</a>                |
|  |  | <a href="#">Environmental Confirmations</a> |

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TG1010-0AC2>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TG1010-0AC2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TG1010-0AC2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TG1010-0AC2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TG1010-0AC2&lang=en)

##### Characteristic: Tripping characteristics, I<sub>t</sub>, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TG1010-0AC2/char>

##### Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TG1010-0AC2&objecttype=14&gridview=view1>



