



power relay, AC-3, 8.4 A, 4 kW / 400 V, 3-pole, 230 V AC, 45-450 Hz, auxiliary contacts: 1 NO, screw terminal

| | |
|---|--|
| consumed active power | 4 W |
| reference code according to IEC 81346-2 | K |
| Substance Prohibition (Date) | 07/01/2006 |
| Weight | 0.152 kg |
| ambient temperature during operation | -25 ... +55 °C |
| number of poles | 4 |
| number of NO contacts for main contacts | 3 |
| number of NC contacts for main contacts | 0 |
| type of voltage | AC |
| operational current | |
| • 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 |
| operating power | |
| • at AC-3 at 400 V rated value | 4 kW |
| • at AC-3e at 400 V rated value | 3 kW |
| control supply voltage at AC | |
| • at 50 Hz rated value | 230 V |
| • at 60 Hz rated value | 230 V |
| supply voltage frequency for auxiliary and control circuit rated value | 45 ... 450 Hz |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 1 |
| number of CO contacts for auxiliary contacts | 0 |
| fastening method side-by-side mounting | Yes |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail |
| height | 62 mm |
| width | 36 mm |
| depth | 60 mm |
| type of electrical connection | |
| • for main current circuit | screw-type terminals |
| • for auxiliary and control circuit | screw-type terminals |
| Safety related data | |
| product function suitable for safety function | Yes |
| service life maximum | 20 a |
| proportion of dangerous failures | |
| • with low demand rate according to SN 31920 | 40 % |
| • with high demand rate according to SN 31920 | 73 % |
| B10 value with high demand rate according to SN 31920 | 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 | Test Certificates |
|--------------------------|-------------------|



[Special Test Certificate](#)

| | | |
|-------------------|-------|-------------|
| Test Certificates | other | Environment |
|-------------------|-------|-------------|

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)



[Confirmation](#)

[Confirmation](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3TG1010-0AL2>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TG1010-0AL2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TG1010-0AL2>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TG1010-0AL2&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TG1010-0AL2/char>

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

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TG1010-0AL2&objecttype=14&gridview=view1>



