



Figure similar

power relay, AC-3, 8.4 A, 4 kW / 400 V, 3-pole, 230 V AC, 45-450 Hz, auxiliary contacts: 1 NC, screw terminal

<b>consumed active power</b>	4 W
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibitance (day/month/year)</b>	07/01/2006
<b>Net Weight</b>	0.16 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 kW
<b>control supply voltage at AC</b>	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 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>	1
<b>number of NO contacts for auxiliary contacts</b>	0
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>	
<b>product function</b>	
• mirror contact according to IEC 60947-4-1	Yes
• 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
<b>failure rate [FIT] with low demand rate according to SN 31920</b>	100 1/s
<b>ISO 13849</b>	
<b>device type according to ISO 13849-1</b>	3
<b>overdimensioning according to ISO 13849-2 necessary</b>	Yes
<b>IEC 61508</b>	
<b>safety device type according to IEC 61508-2</b>	Type A
<b>Electrical Safety</b>	
<b>protection class IP on the front according to IEC 60529</b>	IP00

**Approvals Certificates**

<b>Environment</b>	<b>General Product Approval</b>
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[Environmental Conformations](#)



<b>Test Certificates</b>	<b>other</b>
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

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**other**

[Miscellaneous](#)

**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=3TG1001-0AL2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TG1001-0AL2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TG1001-0AL2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TG1001-0AL2&lang=en)

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TG1001-0AL2>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



