



Figure similar

Contactor relay, 31E, EN 50011, 3 NO + 1 NC, Screw terminal DC operation 24 VDC !!! Phased-out product !!! Successor is SIRIUS 3RH21

<b>product designation</b>	Auxiliary contactor
<b>product type designation</b>	3TH2
<b>size of contactor</b>	0
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibition (Date)</b>	07/01/2006
ambient temperature during operation	-25 ... +55 °C
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC</b>	24 V
• rated value	1
<b>number of NC contacts for auxiliary contacts</b>	0
• delayed switching	0
• lagging switching	0
• make-before-break switching	0
<b>number of NO contacts for auxiliary contacts</b>	3
• delayed switching	0
• leading contact	0
• make-before-break switching	0
number of CO contacts for auxiliary contacts	0
<b>identification number and letter for switching elements</b>	31 E
<b>operational current at AC-15</b>	4 A
• at 230 V rated value	3 A
• at 400 V rated value	
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
<b>height</b>	48 mm
<b>width</b>	45 mm
<b>depth</b>	68 mm
type of electrical connection for auxiliary and control circuit	screw-type terminals

<b>Safety related data</b>	
B10 value with high demand rate according to SN 31920	400 000; With 0.3 x le
T1 value for proof test interval or service life according to IEC 61508	20 y

<b>Further information</b>	
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b>	<a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>
<b>Industry Mall (Online ordering system)</b>	<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH2031-0BB4">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH2031-0BB4</a>
<b>Cax online generator</b>	<a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3TH2031-0BB4">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3TH2031-0BB4</a>
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b>	<a href="https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0BB4">https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0BB4</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH2031-0BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH2031-0BB4&lang=en)

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current  
<https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0BB4/char>

Further characteristics (e.g. electrical endurance, switching frequency)  
<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH2031-0BB4&objecttype=14&gridview=view1>

last modified:

11/21/2022 