

Contactor relay, 31E, EN 50011, 3 NO + 1 NC, Screw terminal
Operating range 0.7...1.25xUS 2 CO, connected to varistor DC
operation 24 VDC !!! Phased-out product !!! Successor is SIRIUS
3RH21



Figure similar

Product designation	Auxiliary contactor
Product type designation	3TH2
Size of contactor	0
Protection class IP on the front	IP20
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Reference code acc. to DIN EN 81346-2	K
Reference code acc. to DIN EN 61346-2	K
Type of voltage of the control supply voltage	DC
Control supply voltage at DC • rated value	24 V
Design of the surge suppressor	with varistor
Number of NC contacts for auxiliary contacts • delayed switching • lagging switching • make-before-break switching	1 0 0 0
Number of NO contacts for auxiliary contacts • delayed switching	3 0

• leading contact	0
• make-before-break switching	0
Number of CO contacts for auxiliary contacts	0
Identification number and letter for switching elements	31 E
Operating current at AC-15	
• at 230 V rated value	4 A
• at 400 V rated value	3 A
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Height	48 mm
Width	45 mm
Depth	68 mm
Type of electrical connection for auxiliary and control current circuit	screw-type terminals
B10 value with high demand rate acc. to SN 31920	400 000; With $0.3 \times I_e$
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Protection against electrical shock	finger-safe

Further information

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=3TH2031-0LB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH2031-0LB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0LB4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH2031-0LB4&lang=en

Characteristic: Tripping characteristics, I^2t , Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0LB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH2031-0LB4&objecttype=14&gridview=view1>

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