

CONTACTOR RELAY 31E EN 50 011 3NO+1NC, TAB
CONNECTOR DIAGONAL SCREW MOUNTING INCORPORATED
DIODE DC OPERATION, COIL 2W DC 24V

General technical data:

Size of contactor	0
Ambient temperature during operation	-25 ... +55 °C
Protection class IP on the front	IP00
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Equipment marking acc. to DIN EN 61346-2	K
Equipment marking acc. to DIN EN 81346-2	K

Control circuit/ Control:

Type of voltage of the control supply voltage	DC
Control supply voltage	
• at DC	
— rated value	24 V

Auxiliary circuit:

Operating current at AC-15	
• at 230 V rated value	4 A
• at 400 V rated value	3 A
Identification number and letter for switching elements	31 E
Number of NC contacts for auxiliary contacts	1
• lagging switching	0
• delayed switching	0
• make-before-break switching	0
Number of NO contacts for auxiliary contacts	3
• delayed switching	0
• leading contact	0
• make-before-break switching	0
Number of CO contacts for auxiliary contacts	0

Connections/ Terminals:

Design of the surge suppressor	with diode
Type of electrical connection for auxiliary and control current circuit	tab terminals 6.3 mm

Mechanical data:

Mounting type	screw fixing
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Width	50 mm
Height	36 mm
Depth	64.5 mm

Certificates/approvals

General Product Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 CSA	 UL		Baumusterbescheinigung  EG-Konf.

Test Certificates	Shipping Approval		
spezielle Prüfbescheinigungen	Typprüfbescheinigung/Werkszeugnis	sonstig	 DNV
			 GL
			 LRS

Shipping Approval	other
 RMRS	Umweltbestätigung Bestätigungen

Safety related data:

B10 value with high demand rate acc. to SN 31920	400 000
• Note	With 0.3 x I _e
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH2031-7JB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH2031-7JB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-7JB4>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH2031-7JB4&lang=en

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