



CONTACTOR RELAY 31E EN 50 011 3NO+1NC,
SCREW TERMINAL INCORPORATED VARISTOR DC
OPERATION,
COIL 2W COIL VOLTAGE TOLERANCE 0.7 TO 1.25X US
DC 24V

General details:

Size of the contactor		0
Ambient temperature		
• during operating	°C	-40 ... +70
Protection class IP / on the front		IP20
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
• according to DIN EN 61346-2		K
• according to DIN EN 81346-2		K

Control circuit:

Voltage type / of control feed voltage		DC
Control supply voltage		
• for DC / rated value	V	24

Auxiliary circuit:

Operating current / at AC-15		
• at 230 V / rated value	A	4
• at 400 V / rated value	A	3
Identification number and letter for switching elements		31 E

Number of NC contacts / for auxiliary contacts		1
• lagging switching		0
• delayed switching		0
• asynchronous switching		0
Number of NO contacts / for auxiliary contacts		3
• leading switching		0
• delayed switching		0
• asynchronous switching		0
Number of changeover contacts / for auxiliary contacts		0

Connection type:

Design of the surge suppressor		with varistor
Design of the electrical connection / for auxiliary and control current circuit		screw-type terminals

Mechanical design:

Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Width	mm	45
Height	mm	48
Depth	mm	68

Certificates/approvals:

General Product Approval	Functional Safety / Safety of Machinery	Declaration of Conformity
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[Type Examination](#)



Test Certificates

[other](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



LRS



RMRS

[other](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)

Safety:

Protection against electrical shock		finger-safe
B10 value / with high demand rate		400,000
• according to SN 31920		With 0.3 x Ie
• note		

T1 value / for proof test interval or service life / according to IEC 61508

a

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Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3TH2031-0LB4/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-0LB4

last change:

Jun 16, 2014