



CONT. RELAY 31 E DIN EN 50 011 3NO+1NC,
SCREW CONNECTION ALT. CURRENT ACTUATING 230
V AC 50 HZ,
277 V 60 HZ

General details:		
Size of the contactor		0
Ambient temperature		
• during operating	°C	-25 ... +55
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		AC
Control supply voltage frequency		
• 1	Hz	50
• 2	Hz	60
Control supply voltage		
• at 50 Hz / at AC / rated value	V	230
• at 60 Hz / at AC / rated value	V	277

Auxiliary circuit:		
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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 electrical connection / for auxiliary and control current circuit

screw-type terminals

Mechanical design:

Mounting type

screw fixing

Width

mm

45

Height

mm

48

Depth

mm

68

Certificates/approvals:

General Product Approval

**Functional Safety /
Safety of
Machinery**

**Declaration of
Conformity**



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

Test Certificates

Shipping Approval

[other](#)

[Special Test
Certificate](#)

[Type Test
Certificates/Test
Report](#)



LRS



RMRS

other

[Declaration of
Conformity](#)

[other](#)

[Environmental
Confirmations](#)

Safety:

Protection against electrical shock

finger-safe

B10 value / with high demand rate

• according to SN 31920

400,000

• note

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

a

With 0.3 x Ie

20

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/3TH2031-4AP0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-4AP0

last change:

Jun 16, 2014