



CONTACTOR RELAY 31E EN 50 011 3NO+1NC,
SCREW TERMINALS AC OPERATION AC 50/60HZ 110V

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	110	
• at 60 Hz / at AC / rated value	V	110	

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 electrical connection / for auxiliary and control current circuit		screw-type terminals
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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
 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		With 0.3 x Ie
T1 value / for proof test interval or service life / according to IEC 61508	a	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/3TH2031-0AG2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-0AG2

last change:

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