

Rast 5 Power Relay 419 11 (EA/..)

- 2 pole 16A, 2 form A (2 NO) contacts
- Safety mains insulation
- Quick connect terminals 6.3x0.8mm
- Contact gap >3mm
- 4kV/8mm coil-contact
- Snap or screw mounting
- Product in accordance to IEC 60335-1

Typical applications Industrial and domestic appliances, heating controls, absolute safe power supply disconnection

Approvals
VDE REGNr. 5064 ÜG, UL E214024
Technical data of approved types on request

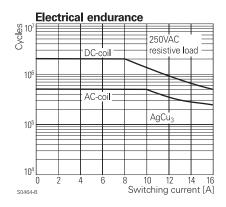
Contact Data		
Contact arrangement	2 form A (2 NO)	
Contact gap	>3mm	
Rated voltage	250VAC	
Max. switching voltage	400VAC	
Rated current	16A	
Limiting making current, max 4 s, duty factor	r 10% 25A	
Contact material	AgCu3	
Contact style	bifurcated contact	
Frequency of operation, with/without load	900/36000h ⁻¹	

Contact ratings

Туре	Contact	Load	Cycles
IEC 61810			
0419 03	2 A (2 NO)	16A, 250VAC, cosφ=1, 85°C	250x10 ³
0419 04	2 A (2 NO)	12A, 250VAC, cosφ=1, 85°C	250x10 ³
0419 03	2 A (2 NO)	20A, 250VAC, cosφ=1, 85°C	6x10 ³
0419 12 & 13	2 A (2 NO)	16A, 250VAC, cosφ=1, 85°C	250x10 ³
0419 12 & 13	2 A (2 NO)	12A, 400VAC, cosφ=1, 85°C	250x10 ³
0419 12 & 13	2 A (2 NO)	20A, 250VAC, cosφ=1, 85°C	6x10 ³

Mechanical	endurance

DC coil	>2x10 ⁶ operations
AC coil	>0.5x10 ⁶ operations





F0255-C

Coil Data		
Coil voltage range		
DC coil	6 to 60VDC	
AC coil	24 to 400VAC	
Operative range, IEC 61810		_
DC coil	1	
AC coil	2	

Coil versions, DC coil

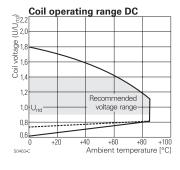
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	$\Omega \pm 10\%$	mW
10	6	3.5	0.4	50	720
11	10	6.0	0.7	150	667
12	12	7.5	0.9	200	720
13	24	15.0	1.8	800	720

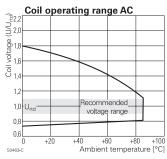
All figures are given for coil without pre-energization, at ambient temperature +23°C. Other coil voltages on request.

Coil versions, AC coil

Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	50/60Hz				
	VAC	VAC	VAC	$\Omega \pm 10\%$	VA
01	200	160	15	4050	2.2
03	220/240	187	16	4500	2.2
04	100/120	80	7	850	2.2

All figures are given for coil without pre-energization, at ambient temperature +23°C, 50Hz. Other coil voltages on request.







Rast 5 Power Relay 419 11 (EA/..) (Continued)

Insulation Data	
Initial dielectric strength	
between open contacts	2000V ^{rms}
between contact and coil	4000Vrms
between adjacent contacts	4000V ^{rms}
Clearance/creepage	
between contact and coil	≥6/8mm
Material group of insulation parts	Illa
Tracking index of relay base	PTI250

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

Resistance to heat and fire according EN60335, par.30

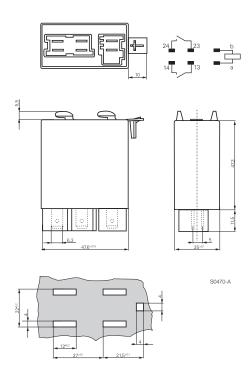
Ambient temperature -20 to +85°C

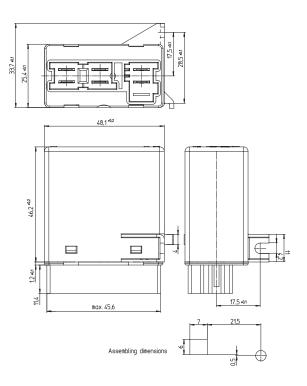
Category of environmental protection

IEC 61810 RTI - dust protected

Vibration resistance (functional), 50 to 500Hz 2g
Shock resistance (destructive) 80g
Terminal type Rast 5 connector
Mounting snap mounting, screw mounting
Weight 92 g
Packaging unit 50 pcs.

Dimensions



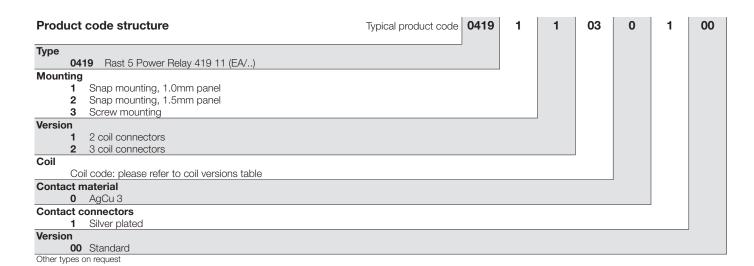


5-1415419-5

DC coil



Rast 5 Power Relay 419 11 (EA/..) (Continued)



Product code Cont. material Version Cont.arrangement Coil Part number 0419 11 0301 00 Snap Mounting AgCu3 2 form A, 3-1415419-5 AC coil 2 NO 4-1415419-0 0419 11 1201 00 1.0mm plate DC coil 0419 11 1301 00 contacts 4-1415419-2 0419 31 0301 00 Screw Mounting AC coil 4-1415419-9

0419 31 1301 00