Power Relay 430 3mm

- **1 pole 16A, 1 form A (NO) contact**
- **Safety mains isolation**
- **Contact gap >3mm**
- **DC and AC coil**
- **4kV/8mm coil-contact, reinforced insulation (VDE 0700)**
- **PCB mounting or quick connect terminals**
- **Mounting brackets or snap mounting**
- **Version with arc blow magnet for high DC loads**
- **WG version: product in accordance to IEC 60335-1**

F0256-B

Typical applications
Domestic appliances, industrial appliances, industrial controls.

Approvals

VDE REG.-Nr. C820, UL E214024
Technical data of approved types on request.

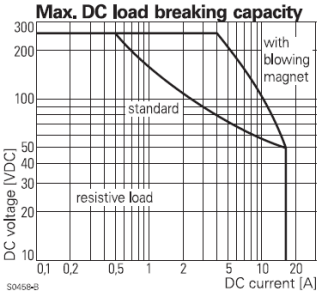
Contact Data

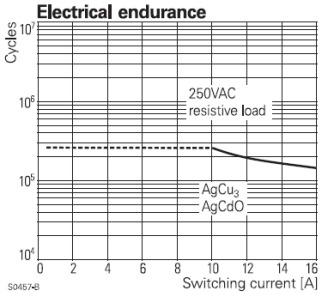
Contact arrangement	1 form A (NO)
Contact gap	>3mm
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	16A
Limiting making current, max 4 s, duty factor 10%	25A
Breaking capacity max.	4000VA
Contact material	AgCu3
Contact style	bifurcated contact
Frequency of operation, with/without load	900/18000h^{-1}

Contact ratings

Type	Contact	Load	Cycles
IEC 61810			
0430 .4 .. 0	A (NO)	16A, 250VAC, cosφ=1, 70°C	50x10^3

Mechanical endurance	
DC coil	>250x10^3 operations
AC coil	>250x10^3 operations





Coil Data

Coil voltage range	
DC coil	6 to 110VDC
AC coil	6 to 240VAC
Operative range, IEC 61810	2

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power mW
09	12	7.8	0.6	145	993
10	24	15.6	1.2	580	993
11	48	31.2	2.4	2200	1047
13	110	71.5	5.5	13000	931

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

Coil versions, AC coil, 50Hz

Coil code	Rated voltage VAC	Operate voltage VAC	Release voltage VAC	Coil resistance Ω±10%	Rated coil power VA
23	24	18	3.6	145	1.8
25	60	45	9	950	1.8
26	110	83	16	3100	1.8
27	230	175	35	11400	1.8
28	240	185	36	13000	1.8

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

Insulation Data

Initial dielectric strength	
between open contacts	2000V$_{rms}$
between contact and coil	4000V$_{rms}$
Clearance/creepage	
between contact and coil	≥8/8mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI250

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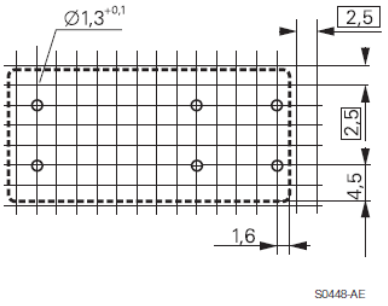
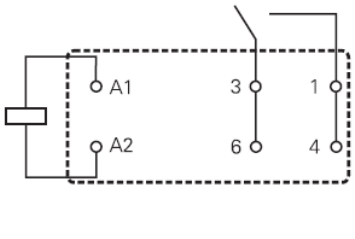
Power Relay 430 3mm (Continued)

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 +70°C
Category of environmental protection IEC 61810	RTI - dust protected
Shock resistance (destructive)	100g
Terminal type	PCB-THT, quick connect
Mounting	PCB, mounting brackets, snap mounting, DIN rail
Weight	32g
Resistance to soldering heat THT IEC 60068-2-20	270°C/10s
Packaging unit	50 pcs.

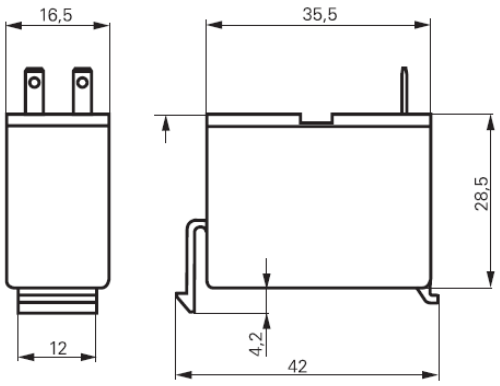
PCB layout / terminal assignment

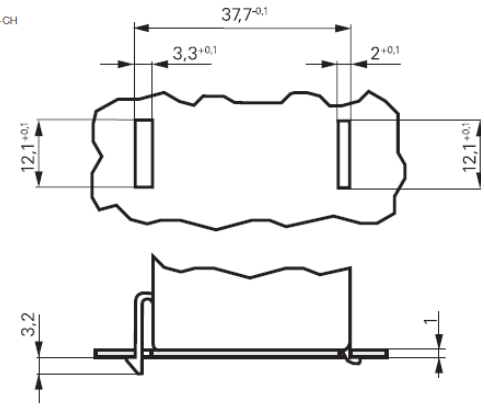
Bottom view on solder pins



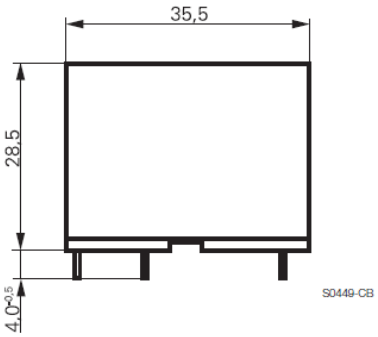


Dimensions Snap mounting





PCB mounting



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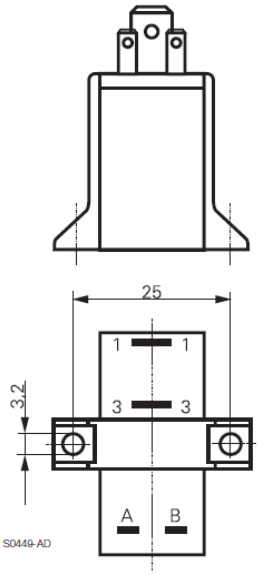
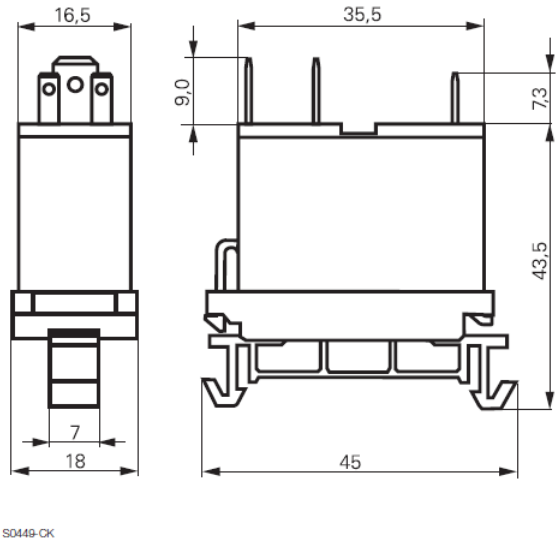
Dimensions

Mounting brackets



DIN-rail mount



Product code structure

Typical product code: **0430 2 5 09 0 100**

Type
- **0430** Power relay 430 3mm

Mounting
- **0** PCB version
- **1** Mounting brackets
- **2** Snap mounting
- **5** DIN-rail mounting

Contact design
- **4** Arc blowing magnet
- **5** Standard

Coil
- Coil code: please refer to coil versions table

Contact material
- **0** AgCu 3

Version
- **100** Standard
- **100WG** Product in accordance with IEC 60335-1 (domestic appliances) only available on request

Other types on request.

Product code	Mounting	Cont. material	Cont. arrangement	Coil	Part Number
0430 04 0901 00	PCB version	AgCu3	1 form A (NO)	DC coil	3-1415535-3
0430 04 1001 00					2-1415535-8
0430 15 1001 00	Mounting Bracket				2-1415535-9
0430 55 1001 00	DIN-rail mounting				3-1415404-9
0430 25 2701 00	Snap mounting			AC coil	5-1415543-2

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TE Connectivity:
0430 05 1011 00