- 1 pole 5 A, 1 form C (CO) or 1 form A (NO) contact
- Cadmium-free contacts
- Sensitive coil 200mW
- Ambient temperature 85°C
- Low height 10.0mm
- Plastic materials according to IEC 60335-1 (domestic appliances)



Typical applications Industrial electronics, white goods, measurement and control



F0169-C

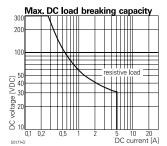
Approvals

VDE REG.-Nr. 6656, cULusE214025 (version with 1 form A (NO) in process) Technical data of approved types on request

Contact Data	
Contact arrangement	1 form C (CO) or 1 form A (NO)
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	5A
Breaking capacity max.	1250VA
Contact material	AgNi 90/10, AgSnO ₂
Frequency of operation	
with/without load	360/72000 ops/h
Operate/release time	typ. 8/8ms
Bounce time, form A/form B	typ. 4/6ms

Contact	ratings
T. 100	Contor

Туре	Contact	Load	Cycles
IEC 6181	0		
PE013	C (CO)	5A, 250VAC, cosφ=1, 85°C	30x10 ³
PE014	C (CO)	5A, 250VAC, cosφ=1, 85°C	100x10 ³
PE014	A (NO)	5A, 30VDC, 0ms, 85°C	100x10 ³
PE034	A (NO)	6A, 250VAC, cosφ=1, 70°C	50x10 ³
UL 508			
PE013	C (CO)	5A, 240VAC, resistive, 85°C	30x10 ³
PE014	A (NO)	5A, 240VAC, resistive, 85°C	100x10 ³
PE014	A (NO)	5A, 30VDC, resistive, 85°C	100x10 ³
PE034	A (NO)	6A, 250VAC, resistive, 70°C	100x10 ³
Mechanica	al enduranc	ce, DC coil >15x106 operations.	



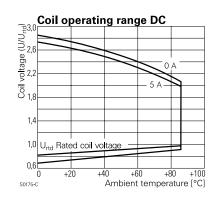
	Elec	trica	len	dura	nce			
Salo ⁷								
5	1							
10 ⁶								
10		$^{\prime}$						
			/		2	50VAC		
				/		sistiv		_
10 ⁵						1		
.0						gNi90)/10Ξ	
10 ⁴								
	0	1 :	2 :	3 4			6	7 8 ent [A]
50324-	в				JVVIL	uning	oune	in (A)

Coil Data

Coil voltage range	5 to 48 VDC
Operative range, IEC 61810	2

Coil vers	Coil versions, DC coil											
Coil	Rated	Operate	Release	Coil	Rated coil							
code	voltage	voltage	voltage	resistance	power							
	VDC	VDC	VDC	Ω±10%	mW							
3	3	2.25	0.3	45	200							
5	5	3.8	0.5	125	200							
6	6	4.5	0.6	172	209							
9	9	6.8	0.9	405	200							
12	12	9.0	1.2	685	210							
24	24	18.0	2.4	2725	211							
48	48	36.0	4.8	10970	210							

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



Insulation Data

moulation bata		
Initial dielectric strength		
between open contacts	1000V _{rms}	
between contact and coil	4000V _{rms}	
Initial insulation resistance		
open contact circuit	>10x10 ⁹ Ω	
coil-contact circuit	>10x10 ⁹ Ω	
Clearance/creepage		
between contact and coil	≥3.2/4mm	
Material group of insulation parts	Illa	
Tracking index of relay base	PTI250V	

09-2010, Rev. 0910

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Datasheets and product specification ac-cording to IEC 61810-1 and to be used only together with the 'Definitions' section.

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Datasheets, product data, 'Definitions' sec-tion, application notes and all specifications are subject to change.

1

Miniature PCB Relay PE (Continued)

Other Data

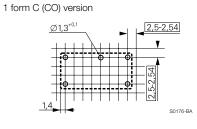
Dimensions

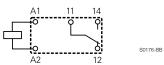
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen conten						
refer to the Product Compliance Support Center						
www.tycoelectronics.cor	m/customersupport/rohssupportcenter					
Resistance to heat and fire	according EN60335, par.30					
Ambient temperature	-40 to 85°C					
Category of environmental protection	3					
IEC 61810	RTII - flux proof					
	(RTIII - wash tight on request)					
Vibration resistance (functional), form	A/form B >15/5g					
Shock resistance (destructive)	>100g					
Terminal type	PCB-THT					
Weight	5g					
Resistance to soldering heat THT						
IEC 60068-2-20	270°C/10s (flux proof version)					
Packaging/unit	tube/25 pcs., box/500 pcs.					

20,0

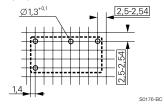


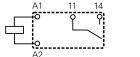
Bottom view on solder pins











Prod	uct	code structure			Typical product code	PE	0	1	4	012
Туре										
	PE	Miniature PCB Relay PE								
Versio	n	· · · · · · · · · · · · · · · · · · ·					-			
	0	Flux proof								
Conta	ict c	onfiguration								
	1	1 form C (CO) contact	3	1 form A (NO) contact						
Conta	oct n	naterial		· ·						
	4	AgNi 90/10	3	AgSnO ₂						
Coil		-		•						
	Coi	code: please refer to coil versions table								

10,0

S0271-AA

10,0

3,8

Product code	Version	Contacts	Contact material	Coil	Part number
PE014005	flux proof	1 form C	AgNi 90/10	5VDC	1393219-3
PE014006		1 CO contact		6VDC	1393219-4
PE014012				12VDC	1393219-6
PE014024				24VDC	1-1393219-0
PE014048				48VDC	1-1393219-3
PE034005		1 form A		5VDC	4-1415535-6
PE034006		1 NO contact		6VDC	4-1415535-7
PE034012				12VDC	4-1415535-9
PE034024				24VDC	5-1415535-1
PE034048				48VDC	5-1415535-2

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