Low Profile PCB Relay PCD

- **1 pole 10 A**
- **1 NO contact**
- **Low coil power 200 mW**
- **Height 10.2 mm**
- **Wash tight**
- **RoHS compliant (Directive 2002/95/EC) as per product date code 0424 (DT)**



F0154-C

Applications

Domestic appliances, coffeee machines, irons, office equipment

Approvals

c UL us E82292

Technical data of approved types on request

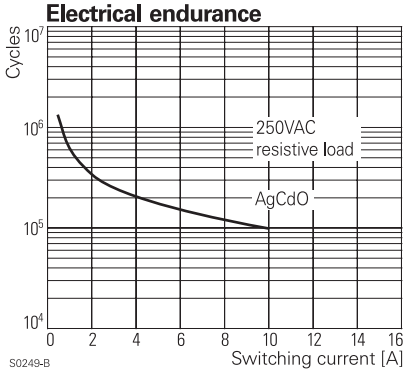
Contact data

Contact configuration	1 NO
Contact set	single contact
Type of interruption	micro disconnection
Rated current	10 A
Rated voltage / max.switching voltage AC	240/400 VAC
Limiting continuous current	10 A
Maximum breaking capacity AC	2500 VA
Contact material	$AgSnO_2$, AgCdO
Mechanical endurance	$>10x10^6$ cycles
Rated frequency of operation with / without load	10/300 min^{-1}

Contact ratings

Type	Load	Cycles
PCD-1...D2(H)	10 A, 250 VAC, resistive, UL	$6x10^3$
PCD-1...D2(H)	5 A, 250 VAC, resistive, 70 °C, UL	$6x10^3$
PCD-1...D2(H)	10 A, 277 VAC, resistive, 70°C, TÜV	$10x10^4$

Electrical endurance



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Coil data

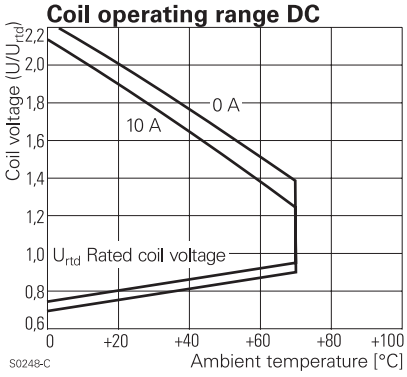
Rated coil voltage range DC coil	3 ... 48 VDC
Coil power DC coil	200 mW
Operative range	2

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
006	6	4.5	0.3	180±10%	200
012	12	9.0	0.6	720±10%	200
024	24	18.0	1.2	2880±10%	200

All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request

Coil operating range DC



S0248-C

Datasheet Rev. EK1
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Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

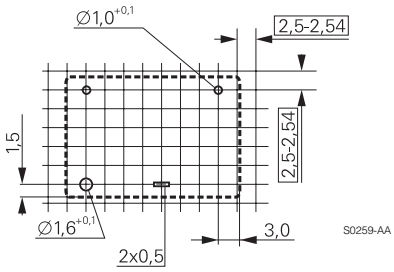
Specifications subject to change.

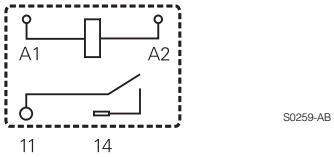
Low Profile PCB Relay PCD (Continued)

Insulation	
Dielectric strength coil-contact circuit	2500 V_{rms}
open contact circuit	750 V_{rms}
Clearance / creepage coil-contact circuit	≥ 4/4 mm
Material group of insulation parts	≥ IIIa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
Rated insulation voltage	250 V
Pollution degree	3
Rated voltage system	230/400 V
Overvoltage category	III

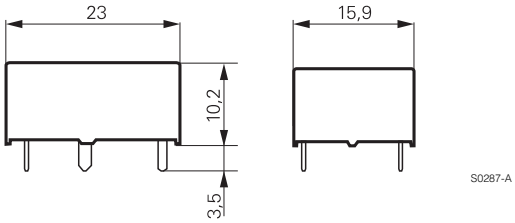
Other data	
RoHS - Directive 2002/95/EC	compliant per as par product date code "DT" (refers to June 2004),
Ambient temperature range	-30 ... +70 °C
Operate- / release time	8/2 ms
Shock resistance (function) NO / NC contact	10 ms
Shock resistance (destruction)	100 g
Category of protection	RT II - flux proof, RT III - wash tight
Resistance to soldering heat flux-proof version	270°C / 10 s
wash-tight version	260°C / 5 s
Relay weight	9 g
Packaging unit	1000 pcs

PCB layout / terminal assignment
Bottom view on solder pins





Dimensions



Product key

P	C	D	1		D		M	

Type

Number of contacts
1 1 NO contact

Coil
5 5 VDC **6** 6 VDC
12 12 VDC **24** 24 VDC

Coil version
D standard 200 mW

Contact material
1 AgCdO **2** $AgSnO_2$

Contact configuration
M 1 NO contact

Version
- flux proof **H** wash tight

Other types on request

Product key	Version	Cont-material	Cont.configuration	Coil	Part number
PCD-105-D2M	standard 200mW	$AgSnO_2$	1 NO contact	5 VDC	0-1721105-1
PCD-112-D2M	flux proof			12 VDC	0-1721105-4
PCD-124-D2M				24 VDC	0-1721105-5
PCD-148-D2M				48 VDC	0-1721105-6
PCD-105-D2MH	standard 200mW			5 VDC	0-1721105-7
PCD-112-D2MH	wash tight			12 VDC	1-1721105-0
PCD-124-D2MH				24 VDC	1-1721105-1
PCD-148-D2MH				48 VDC	1-1721105-2

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