特力材料886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

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OEG

Miniature Relay PCF

- Meet UL508 and TUV requirements
- 1 form A contact arrangement
- Quick connect terminal type and PC board type
- Meet 5000V dielectric voltage between coil and contacts
- Meet 10000V surge voltage between coil and contacts (1.2/50µs)

Typical applications Applicances, HVAC, office machines





Approvals UL No. E58304/ TUV No. R50139097

recrinical data of approved types on reque	est 10
Contact Data	
Contact arrangement	1 form A, 1 NO
Rated voltage	250VAC, 277VAC, 24VDC
Rated current	25A
Switching power	6370VA
Contact material	AgCdO, AgSnO
Min. recommended contact load	100mA, 5VDC
Initial contact resistance	100mΩ at 1A, 6VDC
Frequency of operation	VICE TIN TIN
with/without load	30/300 ops./min
Operate/release time max.	20/10ms
Electrical endurance	100x10 ³ operations at rated load
Contact ratings	25A, 250VAC resistive
	23A, 277VAC resistive
	20A, 250VAC resistive
	20A, 250VAC inductive, cosφ=0.4
Mechanical endurance	10x10 ⁶ operations.

Coil Data	
Coil voltage range	6 to 24VDC

Coll vers	sions, DC co	11			
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω±10%	mW
06	6	4.50	0.30	40	900
09	9	6.75	0.45	90	900
12	12	9.00	0.60	160	900
24	24	10 00	1.20	640	000

All figures are given for coil without pre-energization, at ambient temperature +23°C

Insulation Data	
Initial dielectric strength	M. Too COM.
between open contacts	1000VAC, 50/60Hz, 1min
between contact and coil	5000VAC, 50/60Hz, 1min
Initial surge withstand voltage	1007.
between contact and coil	8000V (1.2/50µS)
Initial insulation resistance	1007
between insulated elements	1000MΩ at 500VDC
Clearance/creepage	11007
between contact and coil	6.7/8mm

Oth	er	D	ata

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at

www.tycoelectronics.com/customersupport/rohssupportcenter -30 to 55°C

Ambient temperature

Category of environmental protection

IEC 61810 RTII-flux proof

Vibration resistance (functional), 10 to 50Hz. 1.5mm double amplitude Vibration resistance (destructive), 10 to 50Hz.1.5mm double amplitude

Shock resistance (functional),

half-sine wave of 6ms

Schock resistance (destructive),

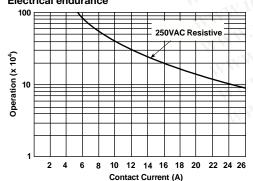
half-sine wave of 11ms, permitted duration 1ms 980m/s2 28g

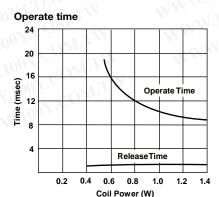
Resistance to soldering heat THT

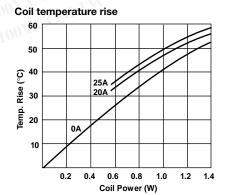
IEC 60068-2-20 260°C/10s

Packaging/unit tube/20 pcs., box/500 pcs



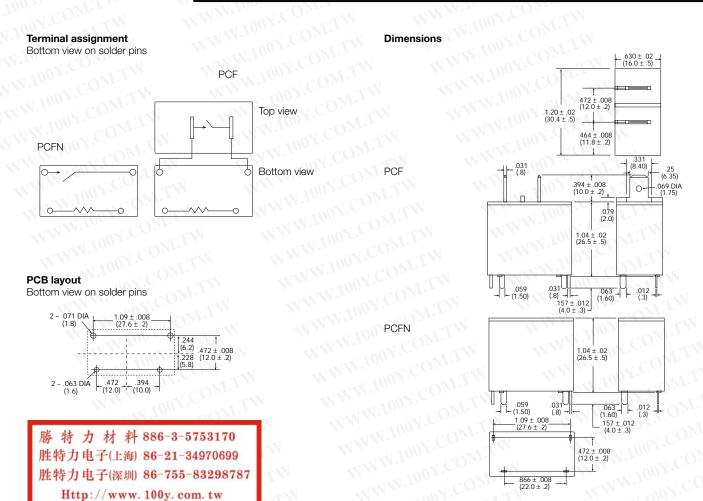


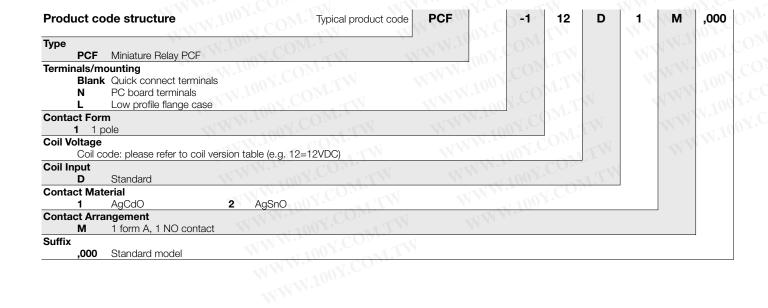






Miniature Relay PCF (Continued)







Miniature Relay PCF (Continued)

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Product code	Terminals/mounting	Coil	Cont. material	Arrangement	Part numbe
PCF-105D2M,000	Quick connect terminals	5VDC	AgSnO ₂	1 form A (NO)	5-1440002-4
PCF-106D2M,000	. TO . TO	6VDC	-1XV W - 1	contact	5-1440002-5
PCF-112D1M,000	11/11/1003/	12VDC	AgCdO		9-1419129-2
PCF-112D2M,000	, 10°	COMP	AgSnO ₂	COM	3-1419153-4
PCF-124D1M,000	N WW LOOK	24VDC	AgCdO	1.0	9-1419129-5
PCF-124D2M,000	W.100	CONI.	AgSnO ₂	-1 CONT.	5-1440002-8
PCF-148D1M,000		48VDC	AgCdO	M. TIN	2-1419146-4
PCF-148D2M,000	1110	~0N1.1	AgSnO ₂	COM	5-1440002-9
PCFL-112D2M,000	Low profile flange case	12VDC			1649000-3
PCFL-124D2M,000	10	24VDC		COMF.	1649000-4
PCFN-109D2M,000	PC board terminals	09VDC			1461193-7
PCFN-118D2M,000	1.1.	18VDC		Inc COMP.	1461193-8
PCFN-124D2M,000		24VDC	X X X		1461193-9
PCFN-148D2M,000	717	48VDC	1	1300 - 20NT.	1461193-5

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