

Miniature Relay PCL

- Small size, 3A, 5A switching capacity
- **■** Meets UL and CSA requirements
- 2 pole and 4 pole contact arrangements
- AC and DC coils with UL Class F (155°C) coil insulation system
- Optional flange mount case
- Plug-in terminals or PCB terminals

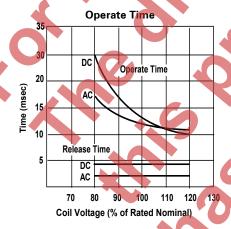
Typical applications

Factory automation, process controls, electrical panels, etc.



Technical data of approved types on request

2 pole	4 pole
2 form A (2NO)	4 form A (4NO)
2 form C (2CO)	4 form C (4CO)
250VAC,	24VDC 🔷
5A	3A
1100VA, 120W	660VA, 72W
Ag, AgShC	0 ₂ , AgCdO
100mA 8	at 5VDC
$50 \mathrm{m}\Omega$ at 6	SVDC, 1A
30/300	Omin ⁻¹
20/2	0ms
100x10 ³ ops.	at rated load
5A at 250VAC/2	4VDC resistive
3A at 250VAC/2	24VDC resistive
100x10	⁰⁶ ops.
	2 form A (2NO) 2 form C (2CO) 250VAC, 5A











Coil Data	
Coil voltage range	6 to 110VDC
	6 to 240VAC (50/60Hz)
Max. coil power	110% of rated power
Max. coil temperature	
AC coil	115°C
DCCoil	105°C

Coil vers	ions, DC coi				
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	Ω±10 %	mW
01D	6	4.8	0.6	40	900
02D	12	9.6	1.2	160	900
03D	24	19.2	2.4	650	900
04D	48	38.4	4.8	2600	900
05D	100/110	88.0	10.0	11000	1100

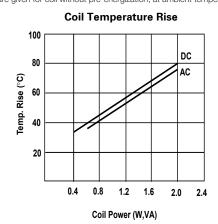
All figures are given for coil without pre-energization, at ambient temperature +23°C

ersions, AC coil

Coil insulation system according U

0011 101	0.0.00				
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VAC	VAC	VAC	Ω±10%	VA
01A	6	4.8	1.8	10	1.4
02A	12	9.6	3.6	40	1.4
03A	24	19.2	7.2	160	1.4
04A	48	38.4	14.4	600	1.4
05A	100	80.0	30.0	2800	1.4
06A	110/120	96.0	33.0	3400	1.4
07A	200	160.0	60.0	11000	1.4
08A	220/240	192.0	66.0	13600	1.4

figures are given for coil without pre-energization, at ambient temperature +23°C, 50 Hz





Miniature Relay PCL (Continued)

Insulation Data	
Initial dielectric strength	
between open contacts	$1000V_{rms}$
between contact and coil	$2000V_{rms}$
between adjacent contacts	1500V _{rms}
Initial surge withstand voltage	
between contact and coil	3000V(1.2/50µs)
Initial insulation resistance	1000MΩ at 500VDC

Accessories	5		
For details see	datasheet	Accessories Miniature	Relay PT
and accessories		list	
Accessories			
Product Code	Description		Part Number
PCL-2F-E,000	2 pole DIN Rail	socket with finger protection	1721882-1
PCL-4F-E,000	4 pole DIN Rail	socket with finger protection	1721884-1
PCL-2F,000	2 pole DIN Rail	socket	1649017-1
PCL-4F,000	4 pole DIN Rail	socket	1649019-1

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

-40 to 55°C

Ambient temperature

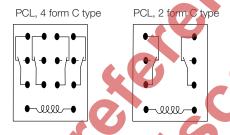
Category of environmental protection

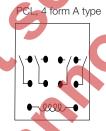
IEC 61810 RTI - dust protected Vibration resistance (functional) 10 to 55Hz, 1.0mm double amplitude

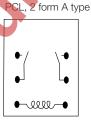
Vibration resistance (destructive) 10 to 55Hz, 1.0mm double amplitude Shock resistance (functional) 10g

Shock resistance (destructive) 100g Terminal type plug-in, PCB-THT Weight approx. 32g Packaging/unit box/25 pcs., carton/500 pcs

Terminal assignment

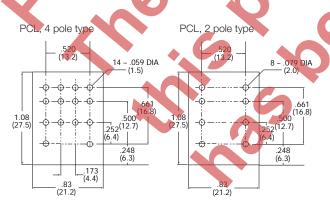






PCB layout

Bottom view on pi

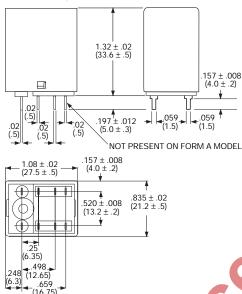




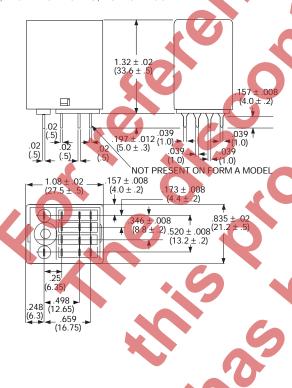
Miniature Relay PCL (Continued)

Dimensions

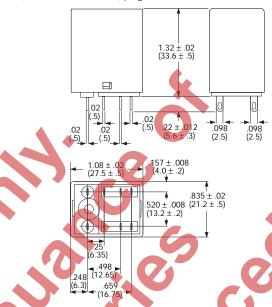




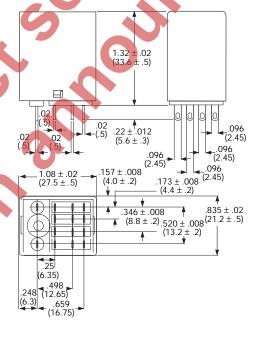
PCL, 4 form A or 4 form C, PCB terminals



PCL, 2 form A or 2 form C, plug-in terminals

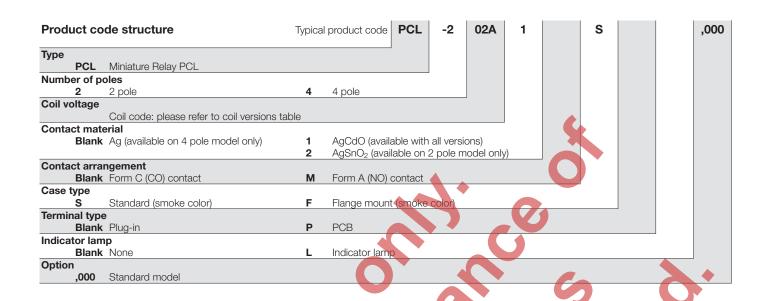


PCL, 4 form A or 4 form O, plug-in terminals





Miniature Relay PCL (Continued)



Product Code	Arrangement	Cont. material	Terminal	Coil	Coil voltage	Indicator	Part Number
PCL-203D1S,000	2 Form C	AgCdO	Plug-in	DC coil	24VDC	none	1-1419135-7
PCL-203D1SL,000			A 44			LED	1461113-6
PCL-208A1S,000				AC coil	220/240VAC	none	1-1419135-8
PCL-208A1SL,000						LED	1461113-8
PCL-403DS,000	4 Form C	Ag		DC coil	24VDC	none	8-1440002-9
PCL-403DSL,000						LED	1461008-6
PCL-408AS,000				AC coil	220/240VAC	none	9-1440002-3
PCL-408ASI 000						LED	1461008-8



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

PCLH-205D1SP,000 PCLH-202A1S,000 PCLH-202D1SP,000 PCLH-203D1SP,000 PCLH-203D1S,000 PCLH-205D1S,000 PCLH-205D1S,000 PCLH-205D1S,000 PCLH-203A1S,000 PCLH-204D1SP,000 PCLH-203A1SP,000 PCLH-203A1SP,000 PCLH-204D1SP,000 PCLH-204D1SP