

Miniature PCB Relay PCH (Continued)

Insulation Data

| | |
|---------------------------------|-----------------------|
| Initial dielectric strength | |
| between open contacts | 750V _{rms} |
| between contact and coil | 4000V _{rms} |
| Initial surge withstand voltage | |
| between contact and coil | 10000V _{rms} |
| Clearance/creepage | |
| between contact and coil | NO: ≥ 4.9mm / 6.6mm |
| between contact and coil | CO: ≥ 4mm / 5mm |
| Tracking index of relay base | |
| standard type | PTI 175 |
| WG ttype | PTI 250 |

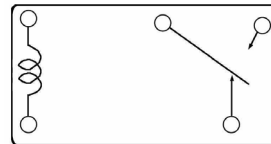
Other Data

| | |
|---|---|
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter | |
| Ambient temperature | -40°C to +85°C |
| Category of environmental protection | |
| IEC 61810 | RTII - flux tight RTIII - wash tight |
| Shock resistance (functional) | 10g |
| Shock resistance (destructive) | 100g |
| Weight | 7g |
| Resistance to soldering heat THT | |
| IEC 60068-2-20 | RTII: 270°C/10s RTIII: 260°C/5s |
| Packaging unit | tray/100 pcs., carton box/1000 pcs. |

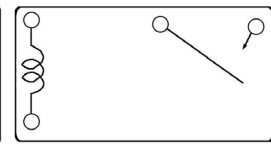
Terminal assignment

Bottom view on solder pins

1 form C (CO)



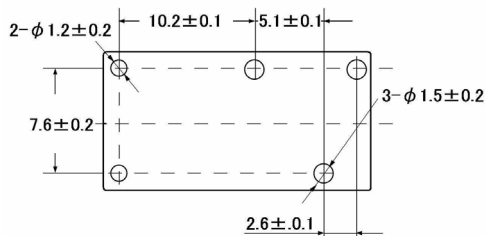
1 form A (NO)



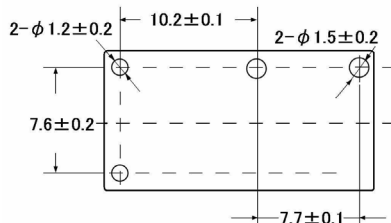
PCB layout

Bottom view on solder pins

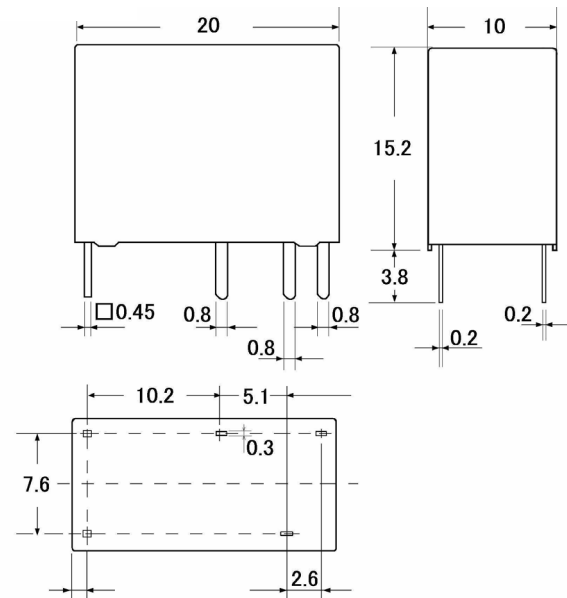
1 form C (CO)



1 form A (NO)



Dimensions



*1a Outline dimensions is omitted.

Tolerance: 0.99mm Max.: +/-0.1mm, 1-2.99mm: +/-0.2mm, 3mm Min.: +/-0.3r

Miniature PCB Relay PCH (Continued)

| Product code structure | | Typical product code | | PCH | -1 | 12 | D | 2 | | H | | ,000 |
|-------------------------------|--|----------------------|--|---|----|----|--|---|--|---|--|------|
| Type | | | | | | | | | | | | |
| PCH | | | | Miniature PCB Relay PCH | | | | | | | | |
| Number of poles | | | | | | | | | | | | |
| 1 | | | | 1 pole | | | | | | | | |
| Coil voltage | | | | | | | | | | | | |
| | | | | Coil code: please refer to coil versions table (e.g. 05=5VDC) | | | | | | | | |
| Coil sensitivity | | | | | | | | | | | | |
| D | | | | Standard 400mW | | L | 200mW (for 1 form A contact only) | | | | | |
| Contact material | | | | | | | | | | | | |
| 2 | | | | AgSnO | | | | | | | | |
| Contact arrangement | | | | | | | | | | | | |
| Blank | | | | 1 form C (CO) contact | | M | 1 form A (NO) contact | | | | | |
| Category of protection | | | | | | | | | | | | |
| Blank | | | | Flux proof, vented cover | | H | Wash tight, sealed plastic cover | | | | | |
| Insulation system designation | | | | | | | | | | | | |
| Blank | | | | Class F system | | WG | Class F system and for domestic appliances (IEC 60335-1, 4 Edition); | | | | | |
| Suffix | | | | | | | | | | | | |
| ,000 | | | | Standard type | | | | | | | | |
| Other types on request | | | | | | | | | | | | |

Other types on request

| Product code | Coil | Sensitivity | Cont.material | Arrangement | Enclosure | Insulation | Part number |
|-----------------|-------|-------------|--------------------|---------------|------------|--------------------|-------------|
| PCH-105D2H,000 | 5VDC | Standard | AgSnO ₂ | 1 form C (CO) | Wash tight | Class F | 9-1440003-0 |
| PCH-105L2M,000 | | Sensitive | | 1 form A (NO) | Flux proof | | 1461352-2 |
| PCH-105L2MH,000 | | | | | Wash tight | | 1461353-2 |
| PCH-105L2M-WG | | | | | Flux proof | Cl. F, IEC 60335-1 | 1721768-2 |
| PCH-106D2,000 | 6VDC | Standard | | 1 form C (CO) | | Class F | 9-1440003-8 |
| PCH-109D2H,000 | 9VDC | | | | Wash tight | | 9-1440003-2 |
| PCH-112D2,000 | 12VDC | | | | Flux proof | | 1440004 |
| PCH-112D2H,000 | | | | | Wash tight | | 9-1440003-3 |
| PCH-112D2M,000 | | | | 1 form A (NO) | Flux proof | | 1461350-5 |
| PCH-112D2M-WG | | | | | | Cl. F, IEC 60335-1 | 1721767-5 |
| PCH-112D2-WG | | | | 1 form C (CO) | | | 1721766-5 |
| PCH-112L2M,000 | | Sensitive | | 1 form A (NO) | | Class F | 1461352-5 |
| PCH-112L2MH,000 | | | | | Wash tight | | 1461353-5 |
| PCH-112L2M-WG | | | | | Flux proof | Cl. F, IEC 60335-1 | 1721768-5 |
| PCH-124D2,000 | 24VDC | Standard | | 1 form C (CO) | | Class F | 1440004-1 |
| PCH-124D2H,000 | | | | | Wash tight | | 9-1440003-5 |
| PCH-124D2M,000 | | | | 1 form A (NO) | Flux proof | | 1461350-6 |
| PCH-124D2MH,000 | | | | | Wash tight | | 1461351-6 |
| PCH-124L2M,000 | | Sensitive | | | Flux proof | | 1461352-6 |
| PCH-124L2MH,000 | | | | | Wash tight | | 1461353-6 |
| PCH-124L2M-WG | | | | | Flux proof | Cl. F, IEC 60335-1 | 1721768-6 |
| PCH-148D2,000 | 48VDC | Standard | | 1 form C (CO) | | Class F | 1461410-2 |