

## har-flex distance adapter 38mm 12P PL1



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 15 16 012 2090 041                                                                  |
| Specification      | har-flex distance adapter 38mm 12P PL1                                              |
| HARTING eCatalogue | <a href="https://harting.com/15160122090041">https://harting.com/15160122090041</a> |

### Identification

|                            |                              |
|----------------------------|------------------------------|
| Category                   | Connectors                   |
| Series                     | har-flex®                    |
| Identification             | Signal                       |
| Element                    | Adapter                      |
| Description of the contact | Male contact<br>Male contact |

### Version

|                    |                                        |
|--------------------|----------------------------------------|
| Connection type    | Mezzanine<br>Cable to cable            |
| Number of contacts | 12                                     |
| Termination length | 2.5 mm                                 |
| Pack contents      | 48 pieces in a tray<br>5 trays per box |

### Technical characteristics

|                               |                    |
|-------------------------------|--------------------|
| Contact rows                  | 2                  |
| Contact spacing (mating side) | 1.27 mm            |
| Stacking height               | 38 mm              |
| Clearance distance            | ≥0.4 mm            |
| Creepage distance             | ≥0.4 mm            |
| Insulation resistance         | >10 <sup>9</sup> Ω |
| Contact resistance            | <35 mΩ             |
| Limiting temperature          | -55 ... +125 °C    |



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## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Insertion force           | ≤6 N                          |
| Withdrawal force          | ≤6 N                          |
| Performance level         | 1                             |
| Mating cycles             | ≥500                          |
| Test voltage $U_{r.m.s.}$ | 0.5 kV                        |
| Isolation group           | IIIa ( $175 \leq CTI < 400$ ) |
| Wiping length             | 1.5 mm                        |

## Material properties

|                                           |                              |
|-------------------------------------------|------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP) |
| Material (contacts)                       | Copper alloy                 |
| Surface (contacts)                        | Noble metal over Ni          |
| Material flammability class acc. to UL 94 | V-0                          |
| RoHS                                      | compliant                    |
| ELV status                                | compliant                    |
| China RoHS                                | e                            |
| REACH Annex XVII substances               | Not contained                |
| REACH ANNEX XIV substances                | Not contained                |
| REACH SVHC substances                     | Not contained                |
| California Proposition 65 substances      | Not contained                |

## Specifications and approvals

|          |                   |
|----------|-------------------|
| UL / CSA | UL in preparation |
|----------|-------------------|

## Commercial data

|                                |                                          |
|--------------------------------|------------------------------------------|
| Packaging size                 | 1                                        |
| Net weight                     | 2.51 g                                   |
| Country of origin              | China                                    |
| European customs tariff number | 85366990                                 |
| GTIN                           | 5713140847699                            |
| eCl@ss                         | 27460201 PCB connector (board connector) |