

## HAR-BUS HM, R/A FEMALE, MODULE A

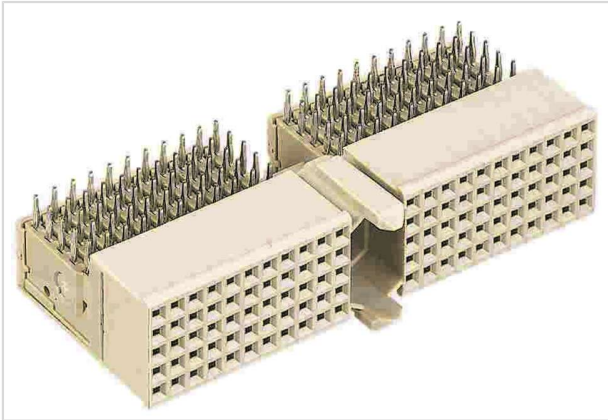


Image is for illustration purposes only. Please refer to product description.

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 17 21 110 2102                                                                |
| Specification      | HAR-BUS HM, R/A FEMALE, MODULE A                                              |
| HARTING eCatalogue | <a href="https://harting.com/17211102102">https://harting.com/17211102102</a> |

### Identification

|                            |                         |
|----------------------------|-------------------------|
| Category                   | Connectors              |
| Series                     | har-bus <sup>®</sup> HM |
| Identification             | Type A                  |
| Element                    | Female connector        |
| Description of the contact | Angled                  |

### Version

|                      |                             |
|----------------------|-----------------------------|
| Termination method   | Press-in termination        |
| Shielding            | With upper shield           |
| Connection type      | Motherboard to daughtercard |
| Number of contacts   | 110                         |
| Field of application | CompactPCI Positions J1 J4  |
| Pack contents        | Tube                        |

### Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Contact rows                       | 7                  |
| Contact spacing (termination side) | 2 mm               |
| Contact spacing (mating side)      | 2 mm               |
| Rated current                      | 1 A                |
| Data rate                          | ≤2,500 Mbit/s      |
| Insulation resistance              | >10 <sup>9</sup> Ω |
| Contact resistance                 | ≤20 mΩ             |
| Limiting temperature               | -55 ... +125 °C    |



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## Technical characteristics

|                           |                               |
|---------------------------|-------------------------------|
| Insertion force           | ≤82.5 N                       |
| Withdrawal force          | ≥16.5 N                       |
| Performance level         | 2                             |
| Test voltage $U_{r.m.s.}$ | 0.75 kV                       |
| Isolation group           | IIIa ( $175 \leq CTI < 400$ ) |
| PCB thickness             | ≥1.4 mm                       |

## Material properties

|                                           |                                                        |
|-------------------------------------------|--------------------------------------------------------|
| Material (insert)                         | Thermoplastic resin, glass-fibre filled                |
| Colour (insert)                           | Beige                                                  |
| Material (contacts)                       | Copper alloy                                           |
| Surface (contacts)                        | Noble metal over Ni Mating side<br>Ni Termination side |
| 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      | Yes                                                    |
| California Proposition 65 substances      | Nickel                                                 |
| Fire protection on railway vehicles       | EN 45545-2 (2020-08)                                   |
| Requirement set with Hazard Levels        | R26                                                    |

## Specifications and approvals

|          |                                                            |
|----------|------------------------------------------------------------|
| UL / CSA | UL 1977 ECBT2.E102079<br>CSA-C22.2 No. 182.3 ECBT8.E102079 |
|----------|------------------------------------------------------------|

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 10            |
| Net weight                     | 20 g          |
| Country of origin              | Germany       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140121904 |



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Commercial data

|             |                                          |
|-------------|------------------------------------------|
| eCl@ss      | 27460201 PCB connector (board connector) |
| ETIM        | EC002637                                 |
| UNSPSC 24.0 | 39121415                                 |