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Contact insert module, adapter for RJ45 connector, the matching RJ45 connectors can be found in the accessories list

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1419888       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF62          |
| Product key                          | AF7ACE        |
| GTIN                                 | 4055626253268 |
| Weight per piece (including packing) | 12.2 g        |
| Weight per piece (excluding packing) | 11.6 g        |
| Customs tariff number                | 85389099      |
| Country of origin                    | PL            |

# HC-M-RJI-AD-08-PC-M - Contact insert module



1419888

<https://www.phoenixcontact.com/us/products/1419888>

## Technical data

### Notes

|         |                                                                     |
|---------|---------------------------------------------------------------------|
| General | Refer to the accessories list for the corresponding RJ45 connectors |
| General | Connectors may be operated only when there is no load/voltage.      |

### Mounting

|               |                                                                                           |
|---------------|-------------------------------------------------------------------------------------------|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
|---------------|-------------------------------------------------------------------------------------------|

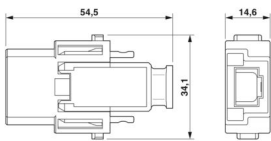
### Product properties

|                        |                        |
|------------------------|------------------------|
| Product type           | Modular contact insert |
| Series                 | HC-M-RJ45              |
| Application            | Data                   |
| Sensor type            | Ethernet               |
| Number of positions    | 8                      |
| Connection profile     | RJ45                   |
| Contact numbering      | 1 - 8                  |
| No. of cable outlets   | 1                      |
| Number of module slots | 1                      |
| Shielded               | yes                    |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 34.2 mm                                                                              |
| Height              | 54.5 mm                                                                              |
| Length              | 14.6 mm                                                                              |

### Mechanical characteristics

|                        |       |
|------------------------|-------|
| Minimum housing height | 72 mm |
|------------------------|-------|

### Electrical properties

|                                         |        |
|-----------------------------------------|--------|
| Rated voltage (III/3)                   | 48 V   |
| Rated surge voltage                     | 0.8 kV |
| Rated current                           | 1 A    |
| Transmission characteristics (category) | CAT5e  |

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## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Flammability rating according to UL 94 | V0           |
| Contact material                       | Copper alloy |
| Contact surface material               | Au           |
| Contact carrier material               | PC           |
| Standards/regulations                  | PC           |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
|---------------------------------|------------------|

## Standards and regulations

### Testing

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|

# HC-M-RJI-AD-08-PC-M - Contact insert module

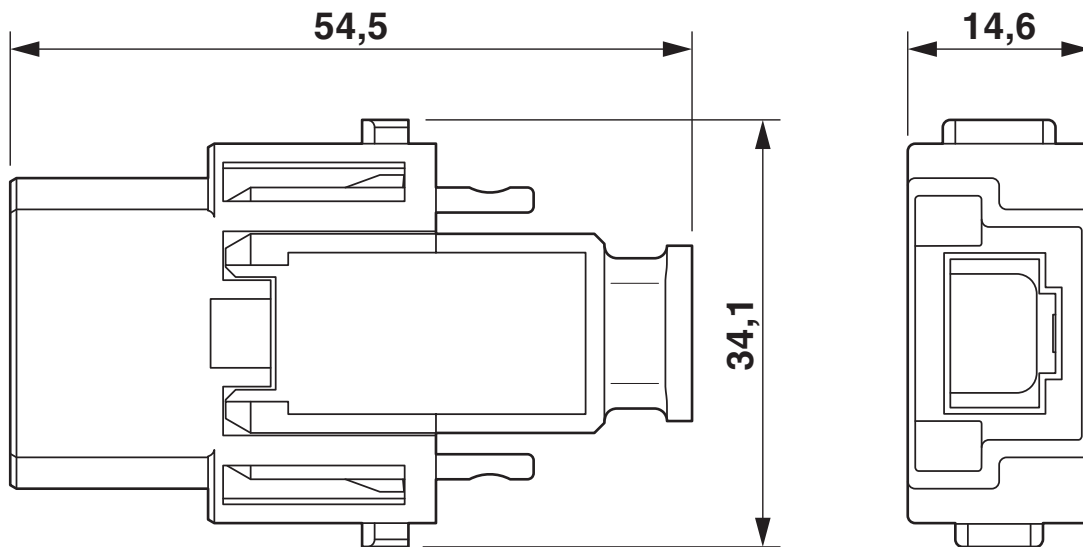
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## Drawings

Dimensional drawing



Male insert

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1419888>

**DNV**

Approval ID: TAE000037S



**CSA**

Approval ID: 13631



**UL Recognized**

Approval ID: E118976

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440218 |
| ECLASS-15.0 | 27440218 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000438 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.072 kg CO2e |
|---------|---------------|

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