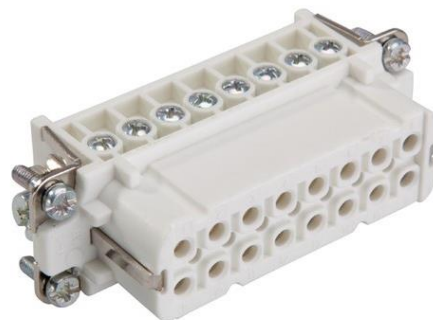


|                           |                                    |                                                                                     |
|---------------------------|------------------------------------|-------------------------------------------------------------------------------------|
| 10542100                  | <b>DATA SHEET</b>                  |  |
| Valid from:<br>18.09.2020 | <b>EPIC® H-A 48 SS / H-A 48 BS</b> |                                                                                     |

## Description

- H-A inserts with screw termination up to 2.5 mm<sup>2</sup> wire cross section.
- Slim connector insert for standard application.
- Easy to service screw connection.
- Universal for current and voltage transmission.



## General Characteristics

|                              |                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Series                       | H-A 48                                                                                                                          |
| Version                      | Male/Female(Article 10543100)                                                                                                   |
| Wire Protection              | No                                                                                                                              |
| Number of Contacts           | 48 + 3 PE                                                                                                                       |
| Termination Methods          | Screw termination: 0.5 - 2.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> with conductor end sleeves depending on the crimping profile) |
| Protection (DIN EN 60529)    | IP 65, latched to the housing                                                                                                   |
| Protection (NEMA 250, UL50E) | 4, 12, latched to the housing                                                                                                   |
| Temperature Range            | -40°C to +100°C, short-term up to +125°C                                                                                        |

## Mechanical Characteristics

|                               |     |
|-------------------------------|-----|
| Cycle of mechanical operation | 100 |
|-------------------------------|-----|

## Electrical Characteristics

|                       |              |
|-----------------------|--------------|
| Rated Voltage, IEC    | 400 V        |
| Rated Voltage, UL     | 600 V        |
| Rated Voltage, CSA    | 600 V        |
| Rated Impulse Voltage | 4 kV         |
| Rated Current, IEC    | 16 A         |
| Rated Current, UL     | 14 A         |
| Rated Current, CSA    | 16 A         |
| Contact Resistance    | 1,5 - 4 mOhm |
| Degree of Soiling     | 3            |

## Materials and Surfaces

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Contacts                              | Copper alloy, hard silver-plated |
| Insulating Body                       | PBT                              |
| Flammability Class according to UL 94 | V0                               |

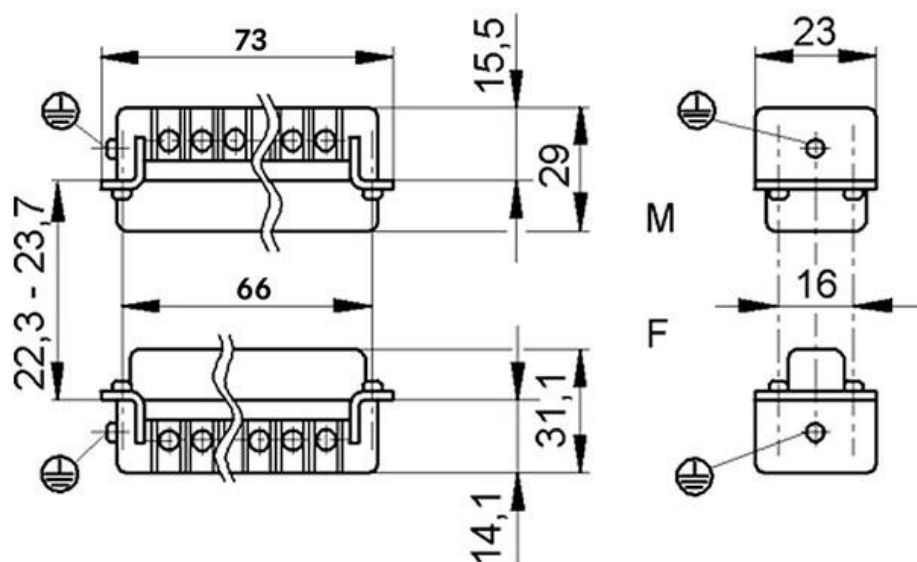
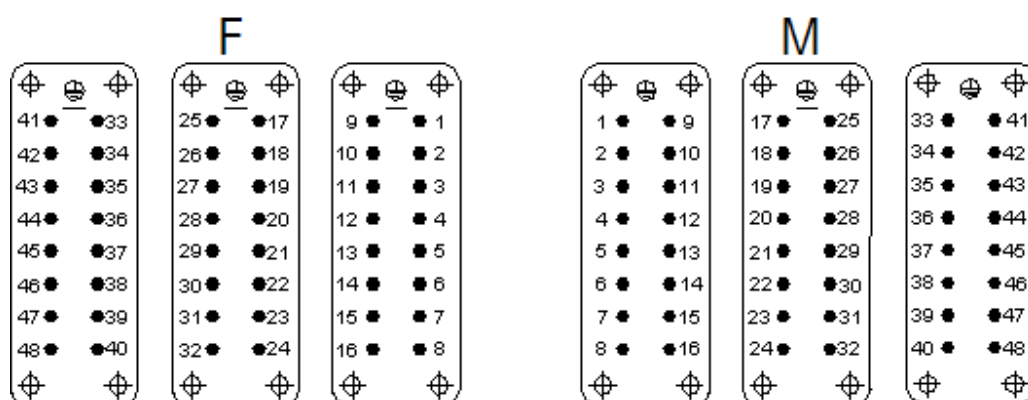
## Standard

|                 |                                     |
|-----------------|-------------------------------------|
| Safety Standard | IEC 61984, UL 1977, CSA-C22.2 182.3 |
|-----------------|-------------------------------------|

|                                           |                                       |             |
|-------------------------------------------|---------------------------------------|-------------|
| Creator: STKU3/PDP<br>Released: IVSE1/PDP | Document: DB10542100EN<br>Version: 02 | Page 1 of 3 |
|-------------------------------------------|---------------------------------------|-------------|

|                           |                             |                                                                                     |
|---------------------------|-----------------------------|-------------------------------------------------------------------------------------|
| 10542100                  | <b>DATA SHEET</b>           |  |
| Valid from:<br>18.09.2020 | EPIC® H-A 48 SS / H-A 48 BS |                                                                                     |

## Technical Drawings



|                           |                                    |                                                                                     |
|---------------------------|------------------------------------|-------------------------------------------------------------------------------------|
| 10542100                  | <b>DATA SHEET</b>                  |  |
| Valid from:<br>18.09.2020 | <b>EPIC® H-A 48 SS / H-A 48 BS</b> |                                                                                     |



Industrial machinery and plant engineering



Assembly time



Space requirement

#### Info

Slim standard insert, easy to connect by screw  
Universal for current and voltage transmission

#### Application range

Machine and equipment manufacturings  
Control engineering

#### Remark

Photographs are not to scale and do not represent detailed images of the respective products.

|                                           |                                       |             |
|-------------------------------------------|---------------------------------------|-------------|
| Creator: STKU3/PDP<br>Released: IVSE1/PDP | Document: DB10542100EN<br>Version: 02 | Page 3 of 3 |
|-------------------------------------------|---------------------------------------|-------------|