## EPIC® H-BE 10 Screw termination

The proven standard inserts for easy assembly



**Info**

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

## EPIC® H-BE 10 Crimp termination

The proven standard inserts for easy assembly



**Info**

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

## EPIC® H-BE 10 Cage clamp

The proven standard inserts for easy assembly



**Info**

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable

## EPIC® H-BE 10 Push-In termination

The proven standard inserts for easy assembly



**Info**

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

### Suitable housing

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

### Suitable contacts:

**EPIC® H-BE 10 Crimp termination**

- EPIC® H-BE 2.5 machined contacts
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### Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currentsEPIC® H-BE 10 Screw termination
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

**EPIC® H-BE 10 Push-In termination**

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

### Application range

- Mechanical engineering
- Plastics industry
- Light & sound technology

**EPIC® H-BE 10 Screw termination**

**EPIC® H-BE 10 Push-In termination**

- Railway applications / vehicle construction

### Suitable tools

**EPIC® H-BE 10 Screw termination**

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to page 1060

## Technical data

**Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors

**Rated voltage (V)**
IEC: 500 VUL: 600 VCSA: 600 V

**Rated impulse voltage**
6 kV

**Rated current (A)**
**EPIC® H-BE 10 Screw termination**
**EPIC® H-BE 10 Crimp termination**
**EPIC® H-BE 10 Cage clamp**
IEC: 16 A
UL: 16 A
CSA: 16 A
IEC: 16 A
UL: 16 A
CSA: 16 AEPIC® H-BE 10 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

**Pollution degree**
3

**Flammability**
**EPIC® H-BE 10 Screw termination**
**EPIC® H-BE 10 Crimp termination**
**EPIC® H-BE 10 Push-In termination**
UL94 V-0
**EPIC® H-BE 10 Cage clamp**
UL94 V-2

**Contact resistance**
**EPIC® H-BE 10 Screw termination**
< 2 mOhm
**EPIC® H-BE 10 Crimp termination**
< 2 mOhm
**EPIC® H-BE 10 Cage clamp**
1.5 - 4 mohm
**EPIC® H-BE 10 Push-In termination**
< 2 mOhm

**Contacts**
**EPIC® H-BE 10 Screw termination**
Copper alloy, hard silver-plated
**EPIC® H-BE 10 Crimp termination**
Copper alloy, hard silver/gold-plated
**EPIC® H-BE 10 Cage clamp**
Copper alloy, hard silver-plated
**EPIC® H-BE 10 Push-In termination**
Copper alloy, hard silver-plated

**Number of contacts**
10 + PE

**Termination methods**
**EPIC® H-BE 10 Screw termination**
Screw termination: 0.5 - 2.5 mm²
**EPIC® H-BE 10 Crimp termination**
Crimp termination: 0.5 - 4.0 mm²
**EPIC® H-BE 10 Cage clamp**
Cage clamp termination: 0.5 - 2.5 mm²
**EPIC® H-BE 10 Push-In termination**
Push-In termination: 0.14 - 2.5mm²

**Stripping length (mm)**
**EPIC® H-BE 10 Screw termination**
8
**EPIC® H-BE 10 Cage clamp**
7
**EPIC® H-BE 10 Push-In termination**
10

**Material**
**EPIC® H-BE 10 Screw termination**
PC, polycarbonate
**EPIC® H-BE 10 Crimp termination**
PC, polycarbonate
**EPIC® H-BE 10 Push-In termination**
PA Polyamid

**Cycle of mechanical operation**
**EPIC® H-BE 10 Screw termination**
500
**EPIC® H-BE 10 Crimp termination**
100
**EPIC® H-BE 10 Cage clamp**
100
**EPIC® H-BE 10 Push-In termination**
500

**Certifications**
**EPIC® H-BE 10 Screw termination**
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770 and E483837
**EPIC® H-BE 10 Crimp termination**
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770
**EPIC® H-BE 10 Cage clamp**
UL-tested:
UL File Number: E75770
**EPIC® H-BE 10 Push-In termination**
UL-tested:
UL File Number: E75770

**Temperature range**
-40°C to +100°C,
short-term up to +125°C

| Article number | Article description | Contact type | Wire protection | Number of operating contacts | Pieces / PU |
|---|---|---|---|---|---|
| **H-BE 10 screw termination** | | | | | |
| 10192000 | EPIC® H-BE 10 SS | male | yes | 1 - 10 | 10 |
| 10193000 | EPIC® H-BE 10 BS | female | yes | 1 - 10 | 10 |
| 10192100 | EPIC® H-BE 10 SS | male | | 1 - 10 | 10 |
| 10193100 | EPIC® H-BE 10 BS | female | | 1 - 10 | 10 |
| **H-BE 10 crimp termination** | | | | | |
| 10182000 | EPIC® H-BE 10 SCM | male | | 1 - 10 | 10 |
| 10183000 | EPIC® H-BE 10 BCM | female | | 1 - 10 | 10 |
| **H-BE 10 cage clamp termination** | | | | | |
| 10400100 | EPIC® H-BE 10 SF | male | yes | 1 - 10 | 10 |
| 10401100 | EPIC® H-BE 10 BF | female | yes | 1 - 10 | 10 |
| **H-BE 10 Push-In termination** | | | | | |
| 44423202 | EPIC® H-BE 10 SP | male | yes | 1 - 10 | 10 |
| 44423203 | EPIC® H-BE 10 BP | female | yes | 1 - 10 | 10 |

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