

10182002	DATA SHEET	
Valid from: 03.11.2020	EPIC® H-BE 10 SCM/BCM CRIMP TERMINATION	

Description

- Inserts of the EPIC® H-BE series are regarded as classics in the industry and are ideal for use at higher voltages and currents.
- Crimp termination creates a vibration-proof connection, ensures maximum contact reliability between contact and wire and is suitable for automated assembly.
- Can be used in rail vehicles in conformity with standards (test of fire behavior according to DIN EN 45545-2:2016-02, requirement set R22 and R23, hazard levels HL1, HL2 and HL3).
- In the EPIC® H-BE series, inserts of different connection types within the same size can be combined as desired (screw, crimp, cage clamp or push-in).



General Characteristics

Series	H-BE 10 for machined crimp contacts
Version	Male (Article No. 10182002) Female (Article No. 10183002)
Number of Contacts	10 + PE
Termination Methods	Crimp termination: 0.14 – 4.0 mm ² (AWG 26– AWG 12)
Temperature Range	-40°C to +125°C

Mechanical Characteristics

Cycle of mechanical operation	≥ 500
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Electrical Characteristics

Rated Voltage, IEC	500 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	6 kV
Rated Current, IEC	16 A
Rated Current, UL	16 A
Rated Current, CSA	16 A
Contact Resistance	< 5 mOhm
Degree of Soiling	3

Materials and Surfaces

Contacts	Copper alloy, hard silver-plated / hard gold-plated
Insulating Body	PC
Flammability Class according to UL 94	V0

Approvals

UL-Approval, E-File-Number	E75770
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Standard

Safety Standards

IEC 61984, UL 1977, CSA-C22.2 No. 182.3

Railway applications

DIN EN 45545-2:2016-02

Fire protection on railway vehicles

Requirement sets R22 and R23,
Hazard level HL1, HL2 and HL3)

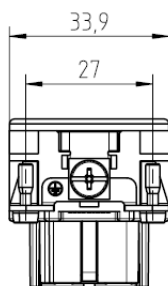
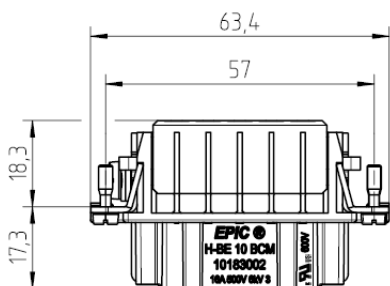
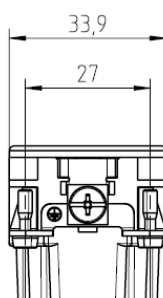
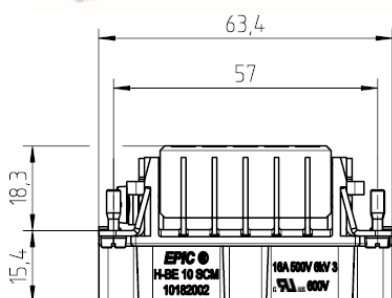
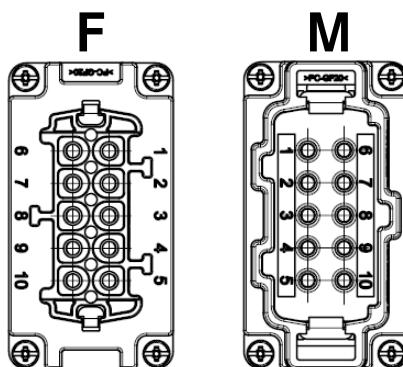
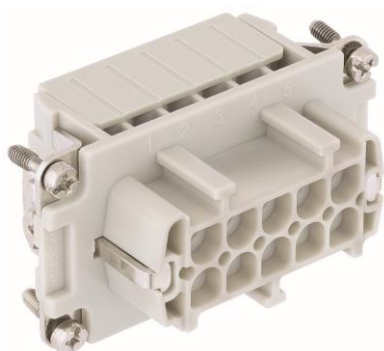
Railway applications

DIN EN 61373 Category 2

Rolling stock equipment

Shock and vibration tests

Technical Drawings



Industrial machinery and plant engineering



Rail

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Robust



Temperature-resistant

Info

Multifunctional insert for versatile applications

Screw, crimp, cage clamp and Push-In version - freely combinable

The default PE-position is next to pin 1. PE-position can be changed to the other end of the connector if the change is made on both connectors (male and female)

Application range

Mechanical engineering; Light & sound technology; Plastics industry, Railway applications / vehicle construction

Remark

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

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