EPIC® H-BE 6 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 6 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 6 Cage clamp

The proven standard inserts for easy assembly



Info

- Vibration resistant and fast wire connection
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 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 6
- EPIC® H-B 6 Housings
- Refer to Selection Table A10 to select the required inserts and Housings
- EPIC® QUICK & EASY Mounting system

Suitable contacts:

EPIC® H-BE 6 Crimp termination

- EPIC® H-BE 2.5 machined contacts Page 590

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 currents

EPIC® H-BE 6 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 6 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
- Light & sound technology
- Plastics industry

EPIC® H-BE 6 Push-In termination

EPIC® H-BE 6 Screw termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 6 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 6 Screw termination
EPIC® H-BE 6 Crimp termination
EPIC® H-BE 6 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 6 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Pollution degree
3

Flammability
EPIC® H-BE 6 Screw termination
EPIC® H-BE 6 Crimp termination
EPIC® H-BE 6 Push-In termination
UL94 V-0
EPIC® H-BE 6 Cage clamp
UL94 V-2

Contact resistance
EPIC® H-BE 6 Screw termination
< 2 mOhm
EPIC® H-BE 6 Crimp termination
< 2 mOhm
EPIC® H-BE 6 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 6 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 6 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 6 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 6 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 6 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
6 + PE

Termination methods
EPIC® H-BE 6 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 6 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 6 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 6 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 6 Screw termination
8
EPIC® H-BE 6 Cage clamp
7
EPIC® H-BE 6 Push-In termination
10

Material
EPIC® H-BE 6 Screw termination
PC, polycarbonate
EPIC® H-BE 6 Crimp termination
PC, polycarbonate
EPIC® H-BE 6 Push-In termination
PA Polyamid

Cycle of mechanical operation
EPIC® H-BE 6 Screw termination
500
EPIC® H-BE 6 Crimp termination
100
EPIC® H-BE 6 Cage clamp
100
EPIC® H-BE 6 Push-In termination
500

Certifications
EPIC® H-BE 6 Screw termination
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 6 Crimp termination
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 6 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 6 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 6 screw termination					
10190000	EPIC® H-BE 6 SS	male	yes	1 - 6	10
10191000	EPIC® H-BE 6 BS	female	yes	1 - 6	10
10190100	EPIC® H-BE 6 SS	male		1 - 6	10
10191100	EPIC® H-BE 6 BS	female		1 - 6	10
H-BE 6 crimp termination					
10180000	EPIC® H-BE 6 SCM	male		1 - 6	10
10181000	EPIC® H-BE 6 BCM	female		1 - 6	10
H-BE 6 cage clamp termination					
10400000	EPIC® H-BE 6 SF	male	yes	1 - 6	10
10401000	EPIC® H-BE 6 BF	female	yes	1 - 6	10
H-BE 6 Push-In termination					
44423200	EPIC® H-BE 6 SP	male	yes	1 - 6	10
44423201	EPIC® H-BE 6 BP	female	yes	1 - 6	10

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