

381166838	<b>DATA SHEET</b>	
Valid from: 31.10.2024	<b>EPIC H-BE 016 FQL / H-BE 016 MQL</b>	

## Description

- Inserts of the EPIC® H-BE series are considered classics in industry and are ideal for use at higher voltages and currents.
- In the EPIC® H-BE series, inserts of different connection types can be combined with each other as required within the same size (screw, crimp, cage clamp or push-in).
- Push-in connection allows the shortest connection times: strands with wire end ferrules can be inserted and contacted completely without tools; to release the contact, simply press the orange button. For strands without wire end ferrules, the button must be pressed to open the spring before insertion or removal
- The round test socket for 2mm standard test probes is positioned so that it is still accessible for a signal test even when the insert is already installed in the panel-mounting housing.
- Wide variety of suitable housing variations



Male MQL



Female FQL



Termination

## General Characteristics

Series	H-BE 16
Size	16B
Version	Male/Female (Article 381166839/381166838)
Number of Contacts	16+PE
Termination Methods	Push-In Termination: 0.5 - 2.5 mm <sup>2</sup> (AWG 26 - 14)
Stripping Length	8-10 mm
Temperature Range	-40°C to +125°C

## Mechanical Characteristics

Cycle of mechanical operation	> 500
-------------------------------	-------

## Electrical Characteristics

Rated Voltage, IEC	500 V
Rated Voltage, UL/CSA	600 V
Rated Impulse Voltage	6 kV
Rated Current, IEC	16 A
Contact Resistance	≤ 1 mΩ
Degree of Soiling	3

AbN  
automation

Creator: THB01/BU-EPIC Released: TODV1/BU-EPIC	Document: DB381166838EN Version: 00	Page 1 of 3
---	--	-------------

381166838	<b>DATA SHEET</b>	
Valid from: 31.10.2024	<b>EPIC H-BE 016 FQL / H-BE 016 MQL</b>	

### Materials and Surfaces

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

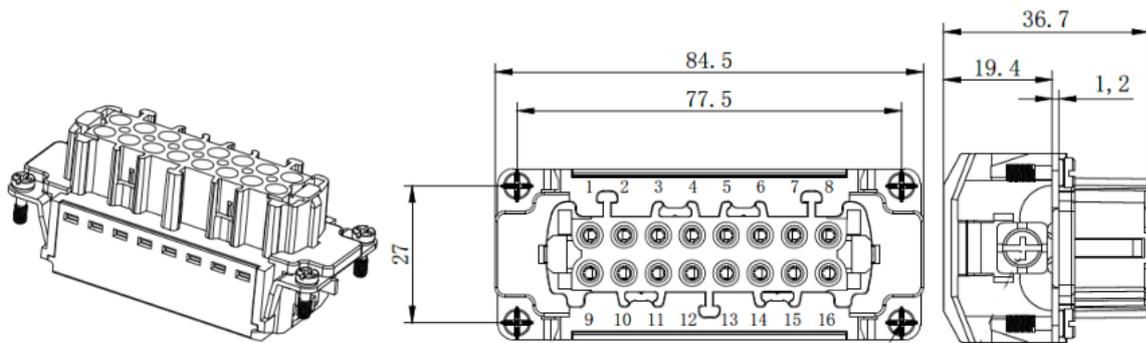
### Approvals

UL-Approval, E-File-Number	E75770
----------------------------	--------

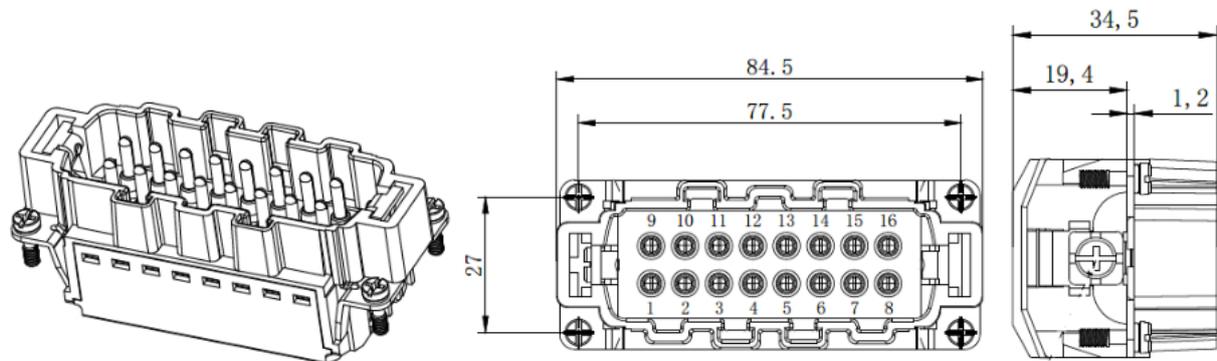
### Standard

Safety Standard	IEC 61984, UL 1977
-----------------	--------------------

### Technical Drawings



Technical Drawing and Polar Pattern female FCC



Technical Drawing and Polar Pattern male MCC



Creator: THBO1/BU-EPIC Released: TODV1/BU-EPIC	Document: DB381166838EN Version: 00	Page 2 of 3
---	--	-------------

381166838	<b>DATA SHEET</b>	
Valid from: 31.10.2024	<b>EPIC H-BE 016 FQL / H-BE 016 MQL</b>	



Robust



Temperature resistant

### Info

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

### Application range

Mechanical engineering  
Light & sound technology  
Plastics industry

### Remark

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

AbN  
automation

Creator: THB01/BU-EPIC Released: TODV1/BU-EPIC	Document: DB381166838EN Version: 00	Page 3 of 3
---	--	-------------