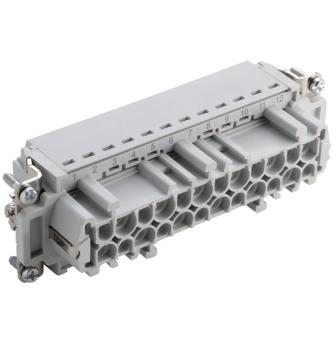
EPIC® H-BE 24 BP

Article No.: 44423207

Insert with push-in connection Socket; Number of contacts: 24+PE; Design size: 24B; 600 V AC rms / DC according to UL/CSA; 13 A according to UL/CSA; For cross-section (min. /max.): 0.14mm² - 2.5mm²; Contacts included; Polyamide





Details

Benefits

- Inserts from the EPIC® H-BE series are regarded as 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 one another (screw, crimp, cage spring or push-in) within the same size.
- Push-in connection enables the shortest connection times: strands with end sleeves can be inserted and contacted without any tools. Just press the orange button to remove the contact. For strands without end sleeves, the button must be pressed to open the shield terminal before insertion or removal.
- The round test socket for 2 mm standard measuring tips is positioned so that it is still accessible for signal testing, even if the insert is already installed in the panel-mount base.
- Made of robust plastic (flammability class V-0 according to the UL94 testing procedure for the flammability of plastics).
- UL certification according to technical data enables the product to be used on the North American market.
- Wide variety of suitable housing variants.

Application

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- For connecting devices and machines to a power supply in various applications
- Suitable for wiring inside control cabinets.
- For transmission of control signals to actuators.
- Typical applications include platform, lighting and lifting technology.

Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	EPIC®
Product type	Insert with push-in connection
Product series	RECTANGULAR
Design size	24B
Scope of delivery	including contacts
Contacts included	Yes
Delivery Unit	5
Industry segment	Rolling Stock
customs code	8536698000

Electrical parameters

Rated surge voltage	6 kV AC rms / DC according to IEC 61984
Rated voltage	600 V AC rms / DC according to UL/CSA 500 V AC rms / DC according to IEC
Rated current	13 A according to UL/CSA 16 A according to IEC
Overvoltage category	III
Protective conductor integrated into insert	Yes

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Product design

Number of contacts	24+PE
Number of PE contacts	1
Contact diameter	0.098 in
Contact variant	Socket
Contact manufacturing method	Stamped
Contact insert type	Socket
With wire protection	Yes
With protective conductor	Yes
Connector type	Socket
Contact insert without contacts	No
Screen contact	No
EMC shielding	No
Connection type conductor	Push-in
PE connection type	Screw connection
Connectable conductor cross section min. (AWG)	26 AWG
Max. connectable conductor cross-section AWG	14 AWG
Min. connectable conductor cross-section (mm2) (in2)	0.14 mm^2
Max. connectable conductor cross-section (mm2) (in2)	2.5 mm^2
Material contact	Brass
Contact material, short form	CuZn

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Contact coating material	Silver-plated
Contact coating material, short form	Ag
Contact insert material	Polyamide
Material contact insert shortname	PA
Colour description	gray

Product features

Min. number of insertion cycles	500
Pollution degree	3
Suitable for EX-applications	No
Short-term temperature peaks	125 °C
Operating temperature min.	-40 °C
Operating temperature max.	125 °C
Flame-retardant	Yes
Flame retardance according to	UL 94 V-0
UV-resistant	No
Chemical resistant	No
Acid-resistant	No
Halogenfree	No
Minimum torque setting for PE connection	1.2 Nm
Maximum torque setting for PE connection	1.2 Nm
Impact proof	Yes
Vibration protection	Yes

Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 39
UR recognized	Yes
UR certification	according to UL 1977 (e-file number: E75770)

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UL category control number	ECBT2
cUR recognized	Yes
cUR certification	according to CSA C22.2 No. 182.3 (e-file number: E75770)
cUR category control number	ECBT8
CSA certified	No
VDE certified	No
Product standard according to IEC	IEC 61984
TÜV certified	No
Tested for fire protection for railway vehicles	Yes
Fire protection for railway vehicles hazard level	EN 45545-2 HL1 EN 45545-2 HL2 EN 45545-2 HL3

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EPIC® H-BE 24 Push-In termination

Article No.	Name	Number of contacts	Contact insert type	Delivery Unit	Product series
381166840	EPIC® H-BE 024 FQL	24+PE	Socket	1	HDC
381166841	EPIC® H-BE 024 MQL	24+PE	Plug	1	HDC
44423206	EPIC® H-BE 24 SP	24+PE	Plug	5	RECTANGULAR
44423207	EPIC® H-BE 24 BP	24+PE	Socket	5	RECTANGULAR

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