EPIC® H-A 16 BS DR PH1

Article No.: 10531000

Insert with screw connection Socket; Number of contacts: 16+PE; Design size: 16A; 400 V AC rms / DC according to IEC; 14 A according to UL; For cross-section (min./max.): 0.5 mm^2 - 2.5mm^2; Contacts included; Polycarbonate



Details

Benefits

- The EPIC® H-A series comprizes space-saving and powerful inserts with screw connection in the rectangular connector range.
- Easy to service screw connection enables assembly without special tools.
- Despite its small size, suitable for transmissions up to 16 A and voltages up to 400 V (depending on article).
- Available with or without wire protection. The wire protection enables stranded wires without conductor end sleeves to be connected directly.
- Wide variety of suitable housing variants.
- UL certification according to technical data enables the product to be used on the North American market.
- Can be used in railway vehicles in accordance with standards for selected articles (reaction to fire test in accordance with DIN EN 45545-2:2016-02, requirement sets R22 and R23, hazard levels HL1, HL2 and HL3).
- The respective pin and socket insert variants differ in quality according to their technical data.

Application

- For connecting devices and machines to a power supply in various applications

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- For use with the rectangular connector housings of the EPIC® H-A series.
- Suitable for outdoor use, subject to the temperature range.

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 screw connection
Product series	RECTANGULAR
Design size	16A
Scope of delivery	including contacts
Contacts included	Yes
Delivery Unit	5
Industry segment	Rolling Stock
customs code	8536698000

Electrical parameters

Rated surge voltage	4 kV AC rms / DC according to IEC 61984
Rated voltage	400 V AC rms / DC according to IEC 400 V AC rms / DC according to UL 400 V AC rms / DC according to CSA
Rated current	14 A according to UL 16 A according to CSA 16 A according to IEC
Overvoltage category	III
Protective conductor integrated into insert	Yes

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Product design

Number of contacts	16+PE
Number of power contacts	16
Number of PE contacts	1
Contact diameter	0.098 in
Contact variant	Socket
Contact manufacturing method	Machined
Contact insert type	Socket
With wire protection	Yes
With protective conductor	Yes
Connector type	Socket
Contact insert without contacts	No
EMC shielding	No
Connection type conductor	Screw connection
PE connection type	Screw connection
Stripping length of single conductor	0.315 in
Stripping length of PE connection	0.315 in
Connectable conductor cross section min. (AWG)	20 AWG
Max. connectable conductor cross-section AWG	14 AWG
Min. connectable conductor cross-section (mm2) (in2)	0.5 mm^2
Max. connectable conductor cross-section (mm2) (in2)	2.5 mm^2

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Material contact	Brass
Contact material, short form	CuZn
Contact coating material	Silver-plated
Contact coating material, short form	Ag
Contact insert material	Polycarbonate
Material contact insert shortname	PC
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.	100 °C
Flame-retardant	Yes
Flame retardance according to	UL 94 V-0
UV-resistant	No
Chemical resistant	No
Acid-resistant	No
Halogenfree	Yes
Minimum torque setting for PE connection	1.2 Nm
Maximum torque setting for PE connection	1.2 Nm
Impact proof	Yes
Vibration protection	No

Certifications and standards

CE marking	Yes
EAC certified	Not required
EAC certification number	Отказное письмо № 39

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UR recognized	Yes
UR certification	according to UL 1977 (e-file number: E75770)
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	Yes
VDE registration number	B437
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-A 16

Article No.	Name	Number of contacts	Contact insert type	With wire protection	Delivery Unit	Product series
10530000	EPIC® H-A 16 SS DR PH1	16+PE	Plug	Yes	5	RECTANGULAR
10531000	EPIC® H-A 16 BS DR PH1	16+PE	Socket	Yes	5	RECTANGULAR
10532000	EPIC® H-A 16 SS PH1	16+PE	Plug	No	5	RECTANGULAR
10533000	EPIC® H-A 16 BS PH1	16+PE	Socket	No	5	RECTANGULAR
381167229	EPIC® H-A 016 MS	16+PE	Plug	Yes	1	HDC
381167230	EPIC® H-A 016 FS	16+PE	Socket	Yes	1	HDC

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V1.1

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