



General ordering data

Order No.	1221200000
Part designation	HDC HE 24 FS 25-48
Version	HDC insert, Socket, 500 V, 16 A, Poles: 24 + PE, Screw connection, BG: 8
EAN	4008190014896
Qty.	1 pc(s).

Product notes

Note, ordering data	Please use the following inserts for size 12 (48-pole): HE 24 FS + HE 24 FS 25-48
Note, technical data	The rated current for HE inserts up to 6 poles is 24 A.
Function	Assignment 25-48
Note, accessories	For additional accessories, refer to Accessories chapter.

Dimensions

High connection part, female insert E	16 mm
High socket C	31.5 mm
Total length A	111 mm

General data

Colour	beige
Insulating material group	IIIa
Insulation material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulation resistance	$10^{10} \Omega$
No. of poles, total	24 + PE
Plugging cycles, silver	≥ 500
Pollution severity	3
Temperature, max.	125 °C
Temperature, min.	-40 °C
UL 94 flammability class	V-0
Size	8

General data

Series	HE
Type	Socket
Type designation	HE 48

Connection data PE

Rated cross-section	4 mm ²
Fixing screw	M 4
Min. tightening torque	1.2 Nm
Blade size, crosshead	size PH1
Max. tightening torque	1.5 Nm
Blade size, slotted	SD 0.8 x 4.0
Stripping length	10 mm
Max. connection cross-section, solid	0.5 mm ²
Min. connection cross-section, solid	4 mm ²
Min. connection cross-section, stranded	0.5 mm ²
Connection type PE	Screw connection
Max. connection cross-section, stranded	4 mm ²
Min. connection cross-section "f" with wire end ferrule	0.5 mm ²
Max. connection cross-section "f" with wire end ferrule	4 mm ²
AWG, min.	AWG 20
AWG, max.	AWG 12

Rating data

Rated voltage (DIN EN 61984)	500 V
Rated current (DIN EN 61984)	16 A
Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	6 kV

Version

Type of connection	Screw connection
Blade size	size PH1
Blade size, slotted	SD 0.6 x 3.5
Min. tightening torque	0.5 Nm
Max. tightening torque	0.55 Nm
Stripping length	9 mm
Material	copper alloy
Connection cross-section, min.	0.5 mm ²
Connection cross-section, max.	2.5 mm ²
AWG, min.	AWG 20
AWG, max.	AWG 14
Size	8
Surface finish	Silver passivated
Volume resistance	≤ 2mΩ
Clamping screw	M 3

Approvals

Approvals institutes



Downloads

PDF	1221200000_HDC_HE_24_FS_25-48_STP_Blatt__1.pdf
DXF	1221200000_HDC_HE_24_FS_25-48_STP_Blatt__1.dxf
IGES	1221200000_HDC_HE_24_FS_25-48_STP.igs
STEP	1221200000_HDC_HE_24_FS_25-48_STP.stp
VRML	1221200000_HDC_HE_24_FS_25-48_STP.wrl

Classifications

ETIM 2.0	EC001121
ETIM 3.0	EC001121
eClass 4.1	27-14-08-05
eClass 5.0	27-14-34-19
eClass 5.1	27-14-34-19

Similar products

Order No.	Part designation	Version
1200000000	HDC HE 6 MS	HDC insert, Pin, 500 V, 24 A, Poles: 6 + PE, Screw connection, BG: 3
1200200000	HDC HE 6 FS	HDC insert, Socket, 500 V, 24 A, Poles: 6 + PE, Screw connection, BG: 3
1203900000	HDC HE 10 MS	HDC insert, Pin, 500 V, 16 A, Poles: 10 + PE, Screw connection, BG: 4
1204100000	HDC HE 10 FS	HDC insert, Socket, 500 V, 16 A, Poles: 10 + PE, Screw connection, BG: 4
1207500000	HDC HE 16 MS	HDC insert, Pin, 500 V, 16 A, Poles: 16 + PE, Screw connection, BG: 6
1207700000	HDC HE 16 FS	HDC insert, Socket, 500 V, 16 A, Poles: 16 + PE, Screw connection, BG: 6
1211100000	HDC HE 24 MS	HDC insert, Pin, 500 V, 16 A, Poles: 24 + PE, Screw connection, BG: 8
1211300000	HDC HE 24 FS	HDC insert, Socket, 500 V, 16 A, Poles: 24 + PE, Screw connection, BG: 8

1215700000	HDC HE 16 MS 17-32	HDC insert, Pin, 500 V, 16 A, Poles: 16 + PE, Screw connection, BG: 6
1216100000	HDC HE 16 FS 17-32	HDC insert, Socket, 500 V, 16 A, Poles: 16 + PE, Screw connection, BG: 6
1220800000	HDC HE 24 MS 25-48	HDC insert, Pin, 500 V, 16 A, Poles: 24 + PE, Screw connection, BG: 8