



General ordering data

Order No.	1651320000
Part designation	HDC HVE 3+2 FS
Version	HDC insert, Socket, 830 V, 24 A, Poles: 3+2+PE, Screw connection, BG: 4
EAN	4008190299927
Qty.	1 pc(s).

Product notes

Note, technical data	The rated voltage via the control contacts is 500 V V Rated current: 23 A, For use: 3 + 2 = 24 A
Note, accessories	For additional accessories, refer to Accessories chapter.

Dimensions

High socket C	31.5 mm
Total length A	64 mm

Dimensions**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	3+2+PE
Plugging cycles, silver	≥ 500
Pollution severity	3
Temperature, max.	125 °C
Temperature, min.	-40 °C
UL 94 flammability class	V-0
Size	4
Series	HVE
Type	Socket
Type designation	HVE 3

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)	830 V
Rated current (DIN EN 61984)	24 A
Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	8 kV

Version

Type of connection	Screw connection
Blade size	size PH1
Blade size, slotted	SD 0.5 x 3.0
Min. tightening torque	0.5 Nm
Max. tightening torque	0.55 Nm
Stripping length	9 mm

Version

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	4
Surface finish	Silver passivated
Volume resistance	≤ 2mΩ
Clamping screw	M 3

Approvals

Approvals institutes

**Downloads**

PDF	1651320000_HDC_HVE_3+2_FS_STP_Blatt_1.pdf
DXF	1651320000_HDC_HVE_3+2_FS_STP_Blatt_1.dxf
IGES	1651320000_HDC_HVE_3+2_FS_STP.igs
STEP	1651320000_HDC_HVE_3+2_FS_STP.stp
VRML	1651320000_HDC_HVE_3+2_FS_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
1651310000	HDC HVE 3+2 MS	HDC insert, Pin, 830 V, 24 A, Poles: 3 + 2 + PE, Screw connection, BG: 4
1651330000	HDC HVE 6+2 MS	HDC insert, Pin, 830 V, 24 A, Poles: 6 + 2 + PE, Screw connection, BG: 6

1651340000	HDC HVE 6+2 FS	HDC insert, Socket, 830 V, 24 A, Poles: 6+2+PE, Screw connection, BG: 6
1651350000	HDC HVE 10+2 MS	HDC insert, Pin, 830 V, 23 A, Poles: 10+2+PE, Screw connection, BG: 8
1651360000	HDC HVE 10+2 FS	HDC insert, Socket, 830 V, 23 A, Poles: 10+2+PE, Screw connection, BG: 8