

General ordering data	
Order No.	1650570000
Part designation	HDC HD 7 MC
Version	HDC insert, Pin, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1
EAN	4008190870942
Qty.	1 pc(s).

Product notes	
Note, ordering data	Reduce the voltage to 42 V when using metal housings
Note, technical data	HD-7 insert with protective earth connection only via the plug-socket contact.
Product description	250 V for plastic housings42 V for metal housings
Function	For turned contacts
Note, accessories	For additional accessories, refer to Accessories chapter.

General data	
Colour	beige
Insulating material group	IIIa
Insulation material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulation resistance	10^{10} Ω
No. of poles, total	7 + PE
Plugging cycles, gold	≥ 500
Plugging cycles, silver	≥ 500
Pollution severity	3
Temperature, max.	125 °C
Temperature, min.	-40 °C
UL 94 flammability class	V-0
Size	1
Series	HD
Type	Pin
Type designation	HD 7

General data

Connection data PE	
Rated cross-section	2.5 mm²
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 mm²
Min. connection cross-section, solid	2.5 mm²
Min. connection cross-section, stranded	0.5 mm²
Connection type PE	Screw connection
Max. connection cross-section, stranded	2.5 mm²
Min. connection cross-section "f" with wire end ferrule	0.5 mm²
Max. connection cross-section "f" with wire end ferrule	2.5 mm²
AWG, min.	AWG 20
AWG, max.	AWG 14

Rating data	
Rated voltage (DIN EN 61984)	250 V
Rated current (DIN EN 61984)	10 A
Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	4 kV

Version	
Type of connection	Crimp connection
Stripping length	8 mm
Connection cross-section, min.	0.14 mm²
Connection cross-section, max.	2.5 mm²
AWG, min.	AWG 26
AWG, max.	AWG 14
Size	1
Volume resistance	≤ 4mΩ

Approvals

Approvals institutes

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
1650660000	HDC HD 15 FC	HDC insert, Socket, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2
1650650000	HDC HD 15 MC	HDC insert, Pin, 250 V, 10 A, Poles: 15 + PE, Crimp connection, BG: 2
1650720000	HDC HD 16 FC	HDC insert, Socket, 250 V, 10 A, Poles: 16 + PE, Crimp connection, BG: 3
1650710000	HDC HD 16 MC	HDC insert, Pin, 250 V, 10 A, Poles: 16 + PE, Crimp connection, BG: 3
1650890000	HDC HD 24 FC	HDC insert, Socket, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4
1650870000	HDC HD 24 MC	HDC insert, Pin, 250 V, 10 A, Poles: 24 + PE, Crimp connection, BG: 4
1650820000	HDC HD 25 FC	HDC insert, Socket, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5
1023050000	HDC HD 25 FC "Z"	HDC-Einsatz, Buchse, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5
1650810000	HDC HD 25 MC	HDC insert, Pin, 250 V, 10 A, Poles: 25 + PE, Crimp connection, BG: 5
1023040000	HDC HD 25 MC "Z"	HDC-Einsatz, Stift, 250 V, 10 A, Pole [ZGT]: 25 + PE, Crimpanschluss, BG [ZGT]: 5
1601730000	HDC HD 40 FC	HDC insert, Socket, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6
1601710000	HDC HD 40 MC	HDC insert, Pin, 250 V, 10 A, Poles: 40 + PE, Crimp connection, BG: 6

1601740000	HDC HD 64 FC	HDC insert, Socket, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12
1601720000	HDC HD 64 MC	HDC insert, Pin, 250 V, 10 A, Poles: 64 + PE, Crimp connection, BG: 12
1650580000	HDC HD 7 FC	HDC insert, Socket, 250 V, 10 A, Poles: 7 + PE, Crimp connection, BG: 1
1650600000	HDC HD 8 FC	HDC insert, Socket, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1
1650590000	HDC HD 8 MC	HDC insert, Pin, 250 V, 10 A, Poles: 8, Crimp connection, BG: 1