

Part number  
**CDF 08**



Female insert, CD series, crimp connection, 8 poles, 10 A 50 V 0,8 kV 3, size "21.21"

Product description	
<b>Product type</b>	Insert
<b>Series</b>	CD
<b>Connection type</b>	Crimp connection
<b>Gender</b>	Female
<b>N. of poles</b>	8 poles
<b>Size</b>	Size "21.21"
<b>Specification</b>	Standard & HNM (High Number of Matings)
Technical data	
<b>Current</b>	10 A
<b>Voltage</b>	50 V
<b>Rated impulse withstand voltage</b>	0,8 kV
<b>Pollution degree</b>	3
<b>Rated voltage according to UL/CSA</b>	50 V AC/120 V DC
<b>IP degree of protection</b>	IP20 without enclosure, IP44/IP66/IP67/IP68/IP69 with enclosure
Further technical details	
<b>Characteristics according to EN 61984</b>	10A 50V ac / 120 dc 0,8kV 3
<b>Mating cycles</b>	≥ 500
<b>Insulation resistance</b>	≥ 10 GΩ
<b>Contact resistance</b>	≤ 3 mΩ
<b>Weight</b>	9,50 g
<b>Operating temperature range (min, max)</b>	-40 °C ... +125 °C
<b>Conductors stripping length</b>	8 mm (6 mm for 2,5 mm <sup>2</sup> )
<b>UL 94 flammability rating</b>	V-0
<b>Tightening torque for PE connection</b>	M4: 1,2 Nm, 10,6 lb.in (Ph2 or 1,0x5,5mm )
<b>Tightening torque for fixing screws</b>	M3: 0,5 Nm; 4,4 lb.in (Ph1 or 0,8 x 5,5 mm)

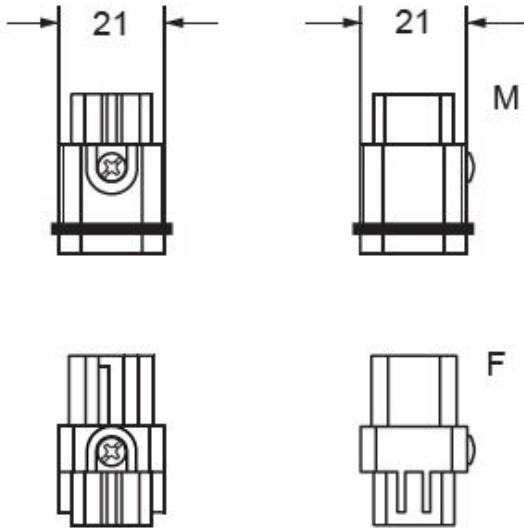
Material properties	
<b>Main material</b>	Polycarbonate (PC)
<b>Colour</b>	RAL 7032 grey
<b>RoHs conformity</b>	Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight
<b>China RoHs - EFUP</b>	50
<b>REACH SVHC substances</b>	Yes Lead
<b>SCIP number</b>	5a97d67d-dd49-45fe-94c0-411f951ef5ee
Approvals / Standards	
<b>Reference standard</b>	EN 61984:2009-06
<b>Certifications</b>	CSAc, CQC, DNV, BV, EAC
<b>UL</b>	ECBT2
<b>cUL</b>	ECBT8
General ordering information	
<b>EAN13 code</b>	8015747014335
<b>eCl@ss 8.1</b>	27440205
<b>ETIM 7.0</b>	EC000438
Packaging Information	
<b>Packaging length</b>	210,00 mm
<b>Packaging height</b>	200,00 mm
<b>Packaging width</b>	130,00 mm
<b>Packaging weight</b>	2,17 kg
<b>Packaging volume</b>	5,46 dm <sup>3</sup>
<b>Packaging description</b>	Carton box
<b>Packaging quantity</b>	200 Pcs
<b>Packaging EAN code</b>	8015747103220
<b>Sub-packaging length</b>	197,00 mm
<b>Sub-packaging height</b>	35,00 mm
<b>Sub-packaging width</b>	113,00 mm
<b>Sub-packaging weight</b>	0,43 kg
<b>Sub-packaging volume</b>	0,78 dm <sup>3</sup>
<b>Sub-packaging description</b>	Carton tray
<b>Sub-packaging quantity</b>	40 Pcs
<b>Sub-packaging EAN barcode</b>	8015747103237

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## Catalogue drawings



contacts side (front view)



## Derating curves

CD 08 poles connector inserts  
Maximum current load derating diagram

