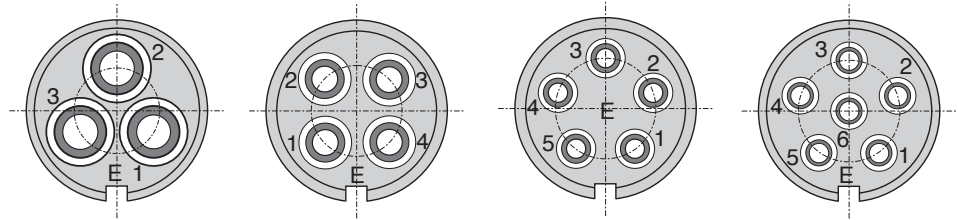


General Specifications

Single polarized key

Layout



032

042

515

615

Technical				
Contact numbers & Ø	3 Ø 2 mm	4 Ø 2 mm	5 Ø 1.50 mm	6 Ø 1.50 mm
Part number male insert Cable size	CMY0322320 1.34 to 2 mm ²	CMY0422320 0.34 to 1.34 mm ²	CLY5152320 0.34 to 1.91 mm ²	CMY6152120 0.22 to 1.91 mm ²
Part number female insert Cable size	CMY0321220 1.34 to 2 mm ²	CMY0421220 0.34 to 1.34 mm ²	CLY5151220 0.34 to 1.91 mm ²	CMY6151020 0.22 to 1.91 mm ²
Part number male insert Cable size	CMY0322321 0.34 to 1.34 mm ²			
Part number female insert Cable size	CMY0321221 0.34 to 1.34 mm ²			
Insulation material	Thermoplastic	Thermoplastic	Thermoset	Thermoplastic
Contact material	Brass	Brass	Brass	Brass
Contact plating	Au/Ni	Au/Ni	Au/Ni	Au/Ni
Part number male crimp contacts	0200621-20ROG 1.34 to 2 mm ² 0200631-21ROG 0.34 to 1.34 mm ²	0201071-20ROG 0.34 to 1.34 mm ²	0150851-20ROG 0.34 to 1.91 mm ²	0150871-20-OG 0.22 to 1.91 mm ²
Part number female crimp contacts	0200342-20RN1 1.34 to 2 mm ² 0200352-21RN1 0.34 to 1.34 mm ²	0200862-20RN1 0.34 to 1.34 mm ²	0150842-20RGO 0.34 to 1.91 mm ²	0150682-20-G1 0.22 to 1.91 mm ²
Vibration withstanding	25 to 250 Hz - 5 g following NF F 61-030			
Connector life cycles	> 500 mating cycles			
Contact retention forces	> 90 N with clip	> 90 N with clip	> 70 N with clip	> 70 N with cloc

Electrical

Current rating (all contacts wired)	15 A	15 A	8 A	8 A
Testing voltage	2 750 / 2 000 V	2 750 / 2 000 V	2 800 / 2 500 V	2 200 / 2 000 V
Contact resistance	< 2 mΩ	< 2 mΩ	< 3 mΩ	< 3 mΩ
Insulation resistance	≥ 5.10 ³ MΩ			
EMC (CB connector)	> 70 db to 100 Mhz			

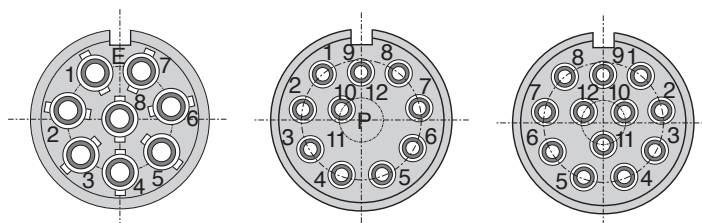
Environmental

Category	CEI 68-1 (NF C 20-700) -55°C to +125°C/56 days
Protection level	IP 67 (NF EN 60529)
Corrosion resistance	500 h. salt spray 5% Na Cl (NF C 20-711)

General Specifications

Five polarized key

Layout



812

101

121

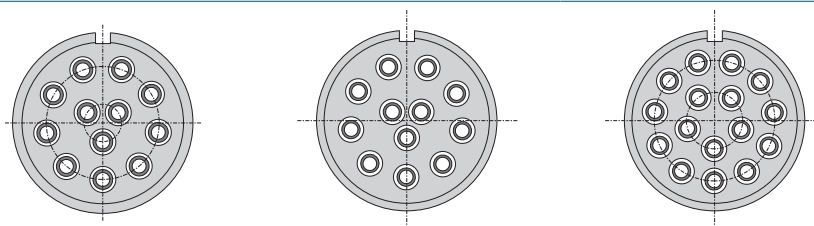
Technical			
Contact numbers & Ø	8 Ø 1.20 mm	10 Ø 1.02 mm	12 Ø 1.02 mm
Part number male insert Cable size	CMY8122320 0.22 to 1.91 mm ²	CMY1012320 1.34 to 2 mm ²	CMY1212320 0.22 to 0.93 mm ²
Part number female insert Cable size	CMY8121220 0.22 to 1.91 mm ²	CMY1011220 1.34 to 2 mm ²	CMY1211220 0.22 to 0.93 mm ²
Insulation material	Thermoset	Thermoset	Thermoset
Contact material	Brass	Brass	Brass
Contact plating	Au/Ni	Au/Ni	Au/Ni
Part number male crimp contacts	0120151-20ROG 0.22 to 1.91 mm ²	0100721-20ROG 0.22 to 0.93 mm ²	0100721-20ROG 0.22 to 0.93 mm ²
Part number female crimp contacts	0120182-20RG1 0.22 to 1.91 mm ²	0100612-20RGO 0.22 to 0.93 mm ²	0100612-20RGO 0.22 to 0.93 mm ²
Vibration withstanding	25 to 250 Hz - 5 g following NF F 61-030		
Connector life cycles	> 500 mating cycles		
Contact retention forces	> 70 N with clip		

Electrical			
Current rating (all contacts wired)	5 A		
Testing voltage	2 400 / 2 200 V	2 800 / 2 000 V	1 000 / 1 000 V
Contact resistance	< 5 mΩ	< 6 mΩ	< 6 mΩ
Insulation resistance	≥ 5.10 ³ MΩ		
EMC (CB connector)	> 70 db to 100 Mhz		

Environmental			
Category	CEI 68-1 (NF C 20-700) -55°C to +125°C/56 days		
Protection level	IP 67 (NF EN 60529)		
Corrosion resistance	500 h. salt spray 5% Na Cl (NF C 20-711)		

General Specifications

Layout



121

*121M

161

Technical	121	*121M	161
Contact numbers & Ø	12 Ø 1.50mm	12 Ø 1.50mm	16 Ø 1.50mm
Female insert plug	CNY1211220		CNY1611220
Male insert plug	CNY1211320		CNY1611320
Female insert receptacle	CNY1212220		CNY1612220
Male insert receptacle	CNY1212320	CRY1212320M	CNY1612320
Insulation material	Thermoset	Thermoset	Nylon
Contact material	Brass	Brass	Brass
Contact plating	Au/Ni	Au/Ni	Au/Ni
Female crimp contacts & wire size	0150842-20RGO 0.34 to 1.34 mm≈		0150682-20-G1 0.22 to 1.91 mm≈
Male crimp contacts & wire size	0150841-20ROG 0.34 to 1.91 mm≈	0150841-20ROG 0.34 to 1.91 mm≈	0150761-20-OG 0.22 to 1.91 mm≈
Male crimp pre-mating contacts & wire size		0150851-20ROG 0.34 to 1.91 mm≈	
Vibration withstanding	25 - 250 Hz - 5 g (following) NF F 61-030		
Connector life cycles	> 500 (mating cycles)		
Contact retention forces	> 70 N (clip)	> 70 N (clip)	> 40 N (cloc)

Electrical

Current rating (all contacts wired)	8 A	8 A	6 A
D.W.V.	2 600 VAC	2 600 VAC	1 750 VAC
Contact resistance	< 2 mΩ		
Insulation resistance	> 5.10 ³ MΩ	> 5.10 ³ MΩ	> 5.10 ³ MΩ

Environmental

Category	CEI 68-1 (NF C 20-700) -55°C to +125°C/56 days
Protection level	IP 56 (NF EN 60529)
Corrosion resistance	500 h. BS salt spray 5% Na Cl (NF C 20-711)

Notes

*121M: insert with 11 contacts + 1 grounding contact used only with male CRE receptacle.