

Bayonet Coupling Circular Connector



- Metal shell circular connector
- Derived from VG95234 and MIL-DTL-5015H
- Reverse bayonet coupling
- Thermoplastic removable insulator
- Featuring hyperboloid socket technology for higher performances
- Removable crimp contacts
- Conforms to NF F 61-030 including smoke and toxicity regulation
- User repositionable insulator depending on the chosen orientation
- Free plug assembly with EMI/RFI grounding

Technical Characteristics

Standard Materials & Finishes

Shell	Aluminium alloy, cadmium free plating, black passivation
Insulators	Low fire hazard thermoplastic (NF F 16-101 & 16-102)
Contacts	Copper alloy, gold plated

Mechanical Features

Coupling	Three pin bayonet
Polarisation	Shell key and keyway in removable insulator
Contact type	Crimp, rear insertion, front release, rear removable
Contact arrangements	7 to 60 contacts

Electrical data

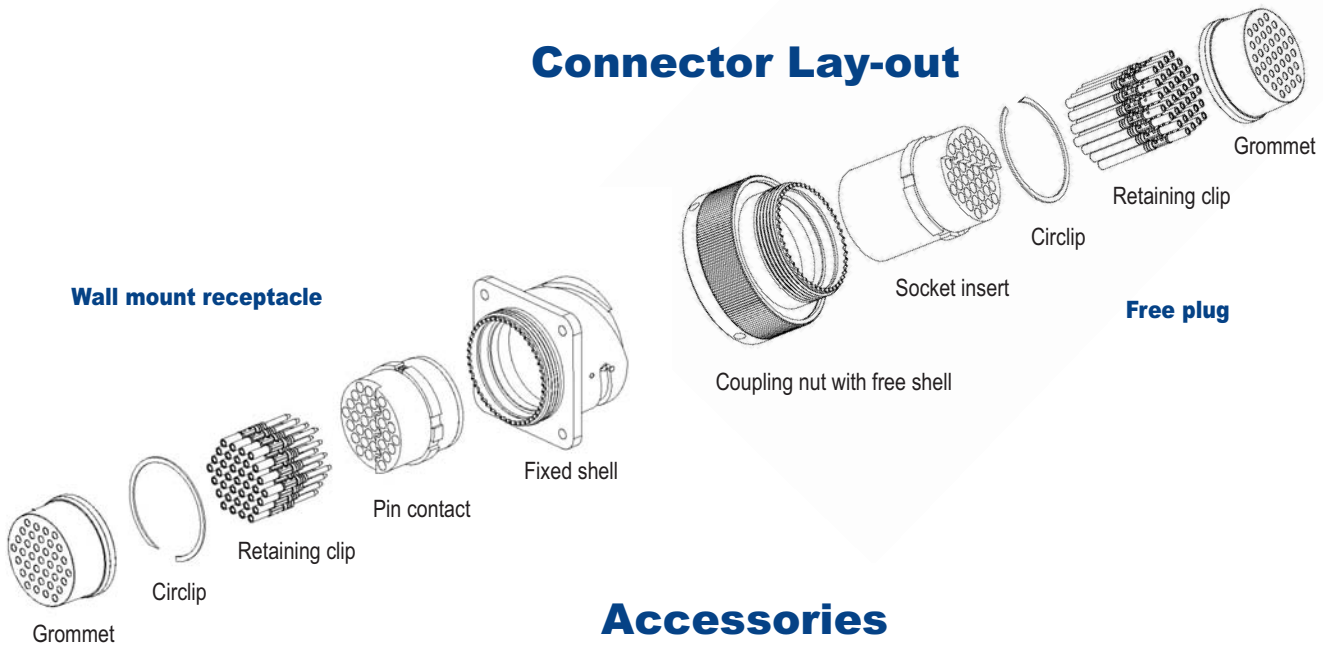
Current rating	10 Amps to 42 Amps max
Voltage rating	Working 700V to 1250V DC/AC Peak
Contact resistance	5 milliohms max
Temperature rating	-55°C to +125°C

Contact Arrangements

Contact Arrangement	18-19	20-15	22-14	24-10	28-21
Contact x size	10 x # 16	7 x # 12	19 x # 16	7 x # 8	37 x # 16

Contact Arrangement	32-A13	36-A22	40-A35	40-A60
Contact x size	13 x # 12	22 x # 12	35 x # 12	60 x # 16

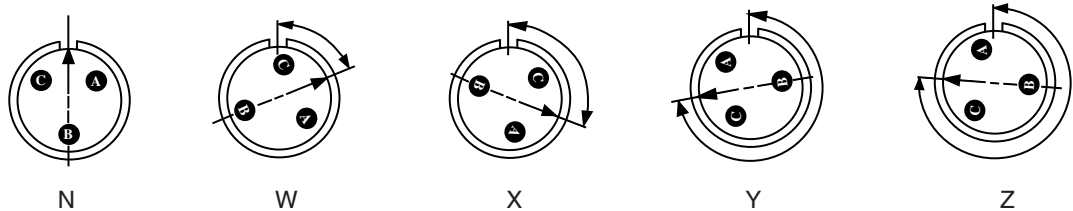
Connector Lay-out



Accessories

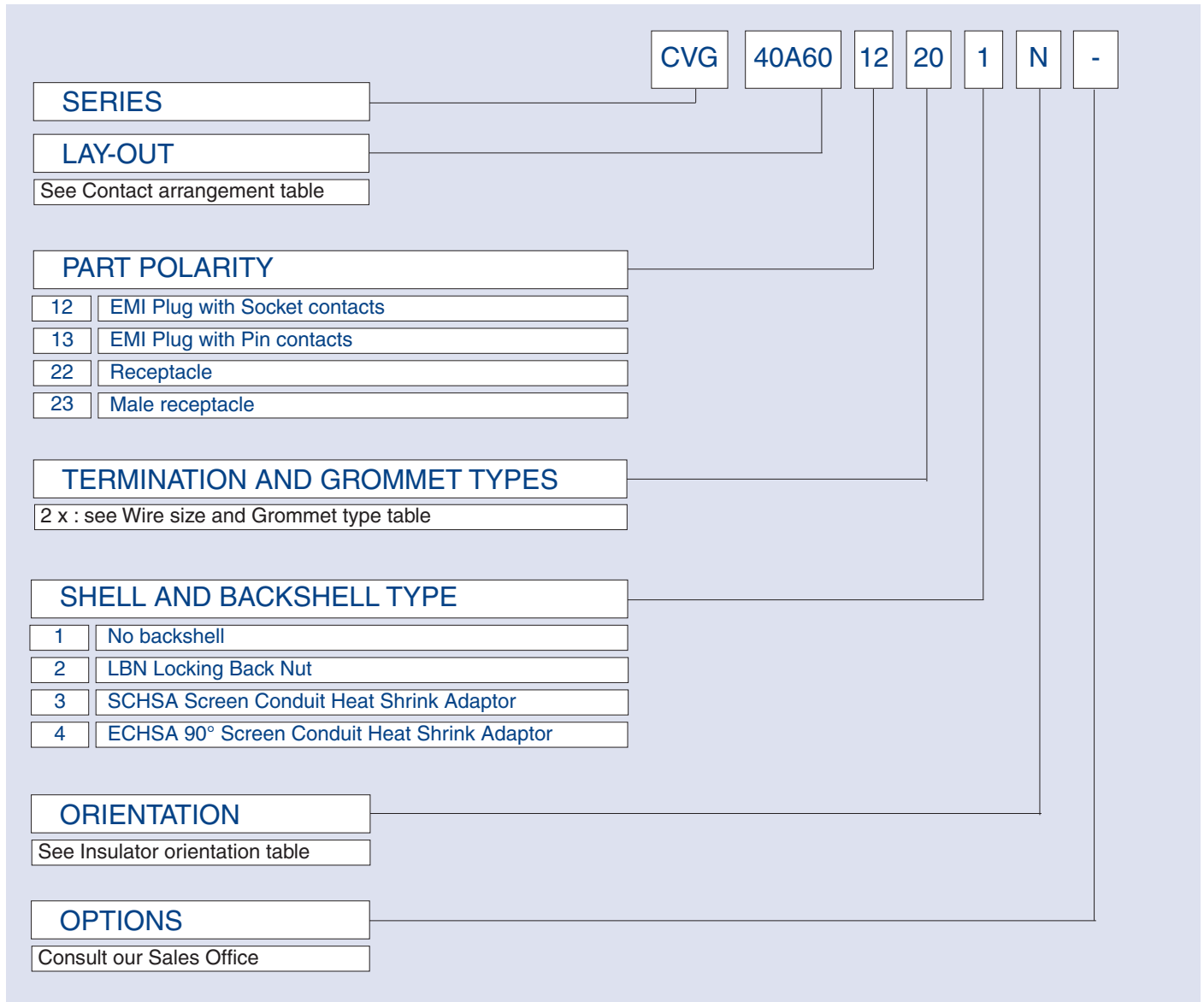
Description	Locking Back-Nut - LBN	Screen / Conduit / Heat Shrink Adaptor - SCHSA	90° Screen / Conduit / Heat Shrink Adaptor - ECHSA
Features	<ul style="list-style-type: none"> Provides uniform compression of the wire seal grommet. The backshell body locks onto the connector serrations which prevents rotation and deformation of the wire seal grommet. 'Spinning' knurled locking nut prevents grommet twist when tightening. 		
	<ul style="list-style-type: none"> Does not loosen through the effects of age. 	<ul style="list-style-type: none"> Thread suitable for grounding band application. <ul style="list-style-type: none"> Accepts standard accessories. Machined recess to accept heat shrink boot lip. 	
	<ul style="list-style-type: none"> Allows multi-angle cable positioning. 		

Insulator Orientations



Contact Arrangement	Angular displacement of insert				
	N Yellow	W Blue	X Green	Y Purple	Z White
18-19	0	-	120	240	-
20-15	0	80	-	-	280
22-14	0	80	110	250	280
24-10	0	80	-	-	280
28-21	0	80	110	250	280
32-A13	0	65	130	230	295
36-A22	0	80	110	250	280
40-A35	0	70	130	230	290
40-A60	0	80	110	250	280

Ordering Information



Wire Sizes and Grommet Types

2 x	Contact Size	Wire size (AWG)	Outside diameter of the cable jacket
20	16	gauge 24-14 (0,2 ² -1,91 ²)	0,80-2,30
21	16	gauge 24-14 (0,2 ² -1,91 ²)	1,50-3,30
22	12	gauge 20-12 (0,6 ² -3 ²)	0,80-2,30
23	12	gauge 20-12 (0,6 ² -3 ²)	2,30-5,20
24	12	gauge 10 (3 ² -5,53 ²)	0,80-2,30
25	12	gauge 10 (3 ² -5,53 ²)	2,30-5,20
26	8	gauge 18-12 (1 ² -3,18 ²)	1,80-4,90
28	8	gauge 18-12 (1 ² -3,18 ²)	2,50-7,20
27	8	gauge 8 (10 ²)	1,80-4,90
29	8	gauge 8 (10 ²)	2,50-7,20