

## 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

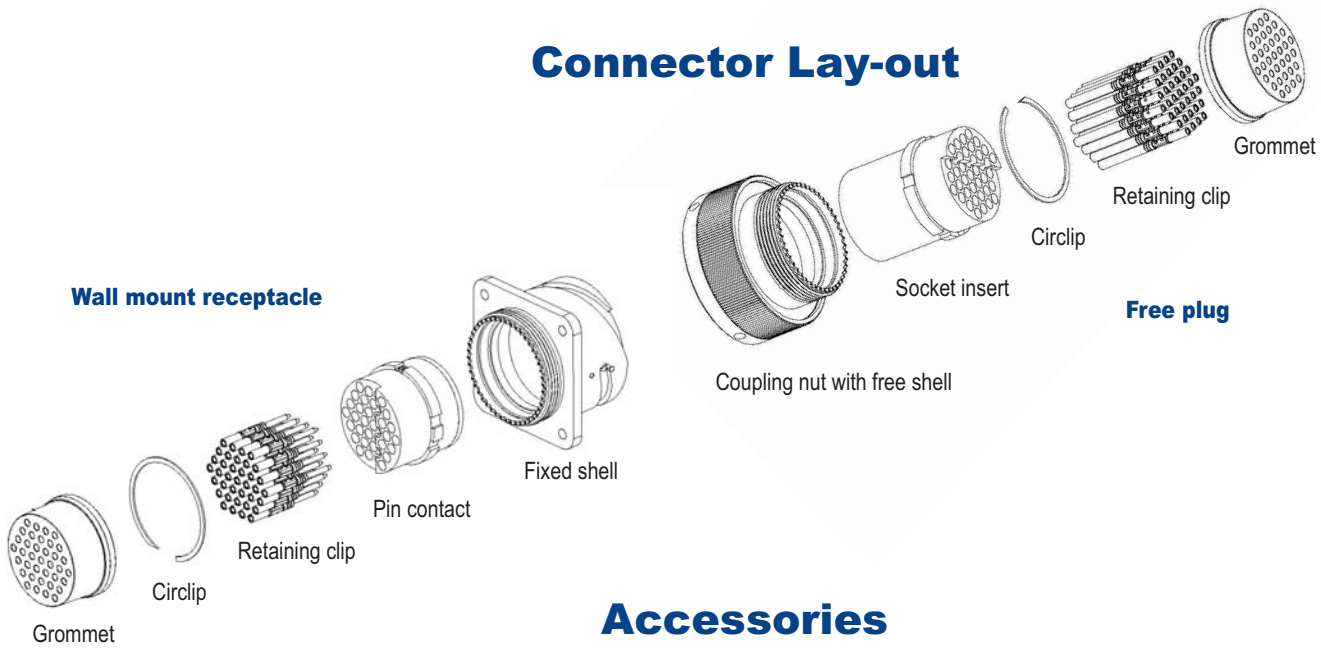
Current rating	10 Amps to 42 Amps max
Voltage rating	Working 700V to 1250V DC/AC Peak
Contact resistance	5 milliohms max
Temperature rating	-55°C to +125°C

### 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

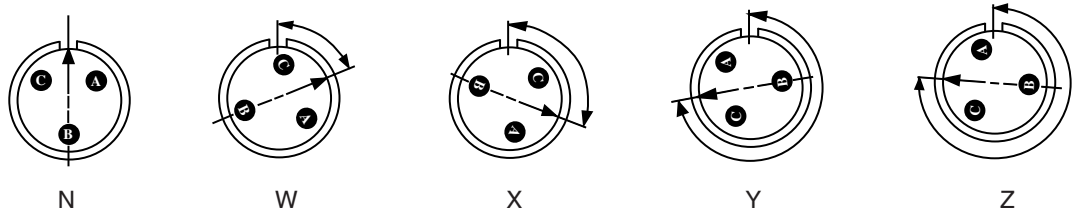
## Connector Lay-out



## Accessories

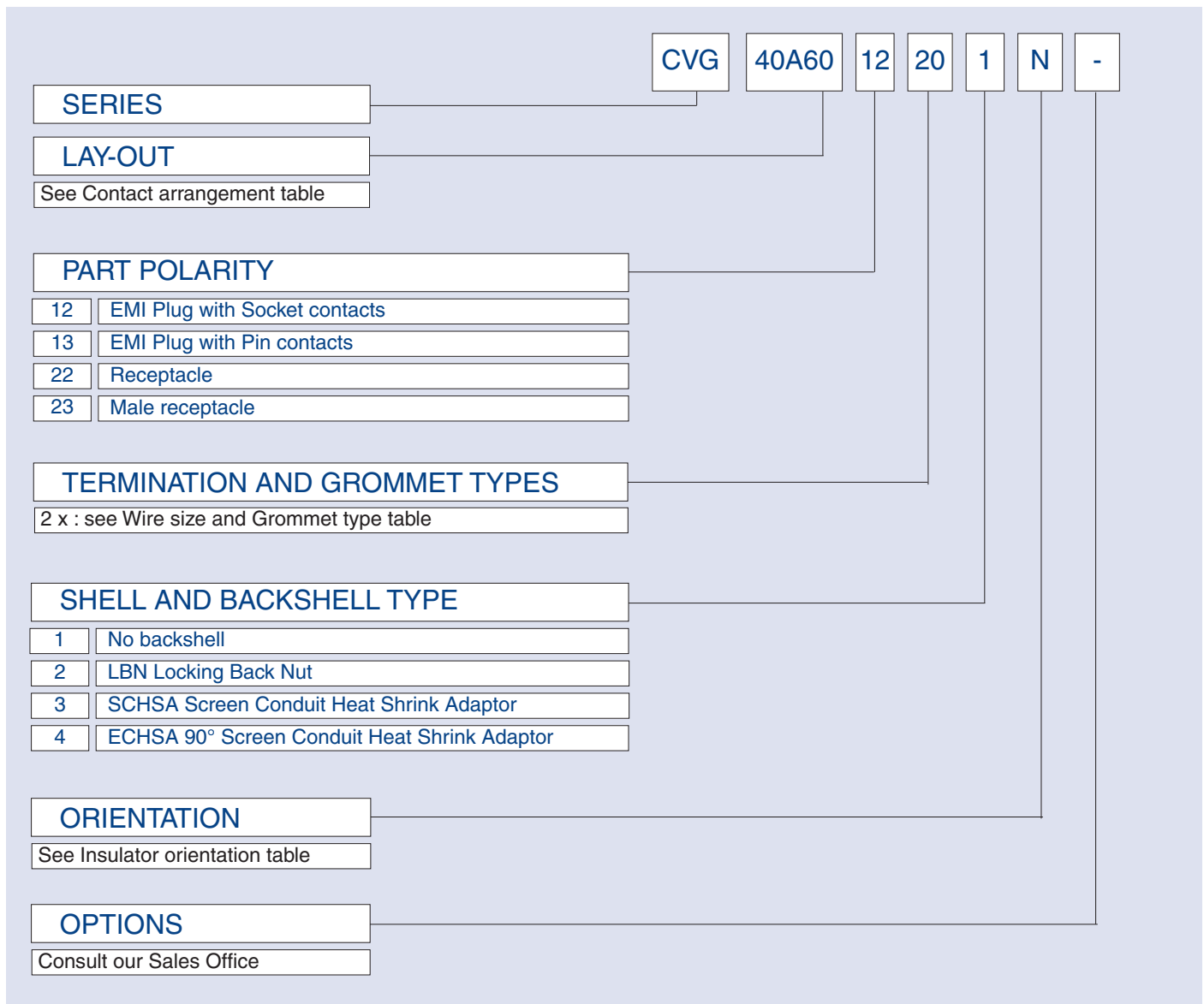
Description	Locking Back-Nut - LBN	Screen / Conduit / Heat Shrink Adaptor - SCHSA	90° Screen / Conduit / Heat Shrink Adaptor - ECHSA
Features	<ul style="list-style-type: none"> <li>Provides uniform compression of the wire seal grommet.</li> <li>The backshell body locks onto the connector serrations which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

## 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 <sup>2</sup> -1,91 <sup>2</sup> )	0,80-2,30
21	16	gauge 24-14 (0,2 <sup>2</sup> -1,91 <sup>2</sup> )	1,50-3,30
22	12	gauge 20-12 (0,6 <sup>2</sup> -3 <sup>2</sup> )	0,80-2,30
23	12	gauge 20-12 (0,6 <sup>2</sup> -3 <sup>2</sup> )	2,30-5,20
24	12	gauge 10 (3 <sup>2</sup> -5,53 <sup>2</sup> )	0,80-2,30
25	12	gauge 10 (3 <sup>2</sup> -5,53 <sup>2</sup> )	2,30-5,20
26	8	gauge 18-12 (1 <sup>2</sup> -3,18 <sup>2</sup> )	1,80-4,90
28	8	gauge 18-12 (1 <sup>2</sup> -3,18 <sup>2</sup> )	2,50-7,20
27	8	gauge 8 (10 <sup>2</sup> )	1,80-4,90
29	8	gauge 8 (10 <sup>2</sup> )	2,50-7,20