

Amphenol

Circular Interconnects

C 16-3 Circular Connector Bayonet Coupling – Plastic IP65

Designed to meet the high requirements of Industrial applications under harsh environment. Available in Screw and Crimp terminations.

Materials

Housing - Polyamide 6.6
 Dielectric - Polyamide 6.6
 Gasket - Neoprene
 Contact Plating - Silver

Electrical

Current - See below

Mechanical

Durability - 500 Mating cycles

Crimp Termination

Automatic - Consult representative
 Hand tool - TA 0100 146 page W-1

Approvals

VDE, UL and CSA

C 16-3 Cable Connectors				Part Numbers:	
Contacts	Termination	Electrical		Ø 16mm Cable Outlet	
		V	I (A)	Male	Female
5 + PE	Screw Termination	400V	21A	Straight	C016 20I005 104 2
				Right Angle	C016 20K005 104 2
12 + PE	Crimp Termination*	4 x 500V 9 x 300V	4 x 21A 9 x 11A	Straight	C016 10I012 004 2
				Right Angle	C016 10K012 004 2
14 + PE	Crimp Termination*	400V	4 x 11A 11 x 12A	Straight	C016 10I014 004 2
				Right Angle	C016 10K014 004 2
19 + PE	Crimp Termination*	250V	7A	Straight	C016 10I019 004 2
				Right Angle	C016 20K019 004 2

* Supplied without contacts. Crimp terminals must be ordered separately, see C16-3 Crimp Contacts

C 16-3 Receptacle Connectors				Part Numbers:	
Contacts	Termination	Electrical	Orientation	Ø 16mm Cable Outlet	
		V		I (A)	Male
5 + PE	Screw Termination	400V	21A	Panel Mount	C016 20G005 100 2
12 + PE	Crimp Termination*	4 x 500V 9 x 300V	4 x 21A 9 x 11A		C016 10G012 000 2
14 + PE	Crimp Termination*	400V	4 x 11A 11 x 12A		C016 10G014 000 2
19 + PE	Crimp Termination*	250V	7A		C016 10G019 000 2

* Supplied without contacts. Crimp terminals must be ordered separately, see C16-3 Crimp Contacts

C 16-3 Accessories		
Item	Description	Part Numbers:
Cap	Cable connector	C016 00U000 010 2
	Female receptacle	C016 00V000 010 2
Tool	Disassembly tool for pin and socket inserts	FH 0002-016

C 16-3 Crimp Contacts			Pack of 100 single contacts		Reel of 2000	
Housing	Contacts/housing	Wire range	Silver Plated*1		Silver Plated*1	
			Pin	Socket	Pin	Socket
12 + PE	4	0.5 ~ 1.5mm ²	VN 01 025 0001 (101)	VN 02 025 0001 (101)	HN 01 025 0001 (1)	HN 02 025 0001 (1)
	or 4	1.5 ~ 2.5mm ²	VN 01 025 0010 (101)	VN 02 025 0010 (101)	HN 01 025 0010 (1)	HN 02 025 0010 (1)
	9	0.14 ~ 0.5mm ²	VN 01 016 0003 (1)	VN 02 016 0003 (1)	HN 01 016 0003 (1)	HN 02 016 0003 (1)
	or 9	0.5 ~ 1.5mm ²	VN 01 016 0002 (1)	VN 02 016 0002 (1)	HN 01 016 0002 (1)	HN 02 016 0002 (1)
14 + PE	4	0.14 ~ 0.5mm ²	VN 01 015 0005 (1)	VN 02 015 0005 (1)	HN 01 015 0005 (1)	HN 02 015 0005 (1)
	or 4	0.5 ~ 1.0mm ²	VN 01 015 0039 (1)	VN 02 015 0039 (1)	HN 01 015 0039 (1)	HN 02 015 0039 (1)
	11	0.14 ~ 0.5mm ²	VN 01 016 0003 (1)	VN 02 016 0003 (1)	HN 01 016 0003 (1)	HN 02 016 0003 (1)
	or 11	0.5 ~ 1.5mm ²	VN 01 016 0002 (1)	VN 02 016 0002 (1)	HN 01 016 0002 (1)	HN 02 016 0002 (1)
19 + PE	11	1.5 ~ 2.5mm ²	VN 01 016 0005 (1)	VN 02 016 0005 (1)	HN 01 016 0005 (1)	HN 02 016 0005 (1)
	20	0.14 ~ 0.5mm ²	VN 01 015 0005 (1)	VN 02 015 0005 (1)	HN 01 015 0005 (1)	HN 02 015 0005 (1)
19 + PE	or 20	0.5 ~ 1.0mm ²	VN 01 015 0039 (1)	VN 02 015 0039 (1)	HN 01 015 0039 (1)	HN 02 015 0039 (1)

*1 For Gold Plated contacts replace (1) with (2) and (101) with (102)

Reverse gender and EMI versions available – consult representative

Typical straight & right angle Plug assemblies

Panel Cut-out

Typical Connector dimensions Insert arrangements