

# Amphenol

## Circular Interconnects

### ECTA 544 Plastic Circular Push-Pull IP67 Connector System with Crimp Contacts

#### Materials

Shells – Thermoplastic UL94V-0  
 Contacts – Copper Alloy  
 Contact Plating – Gold over Nickel  
 Inserts – Thermoplastic UL94V-0

#### Mechanical

Temp Range – -40°C ~ 125°C  
Durability  
 Machined Contacts – 1000 Cycles  
 Stamped Contacts – 250 Cycles



#### Also Available

Polarization – 3 Positions  
 Contacts – Fibre Optic and Coaxial  
 Right Angle Plugs & In-Line Receptacles

#### Related Information

Tools – Catalogue ECTA 544

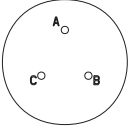
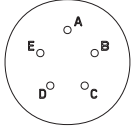
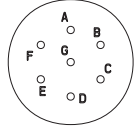
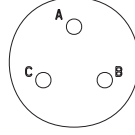
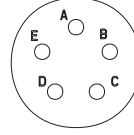
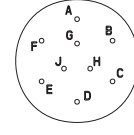
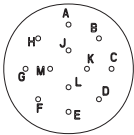
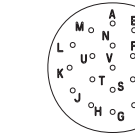
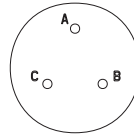
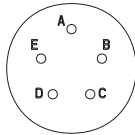
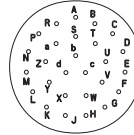
Contacts for Connectors must be ordered separately see below

Plug ØD		Backshell		Mating Halves ( If Plug has Pins, Receptacle must have Sockets)			
Shell	mm	Type	Cable Ø	In-Line Plug includes backshell		Square Flange Receptacle	
1	24.8	MDA	2~6mm				
		MDB	4~8mm				
2	32.5	MDA	7~12mm				
		MDB	10~14mm				
3	38.8	MDA	9~16mm				
		MDB	13~18mm				

Inserts	Part Number				Part Number	
	Sockets	Pins	Sockets	Pins	Sockets	Pins
103	5440MDA103F	5440MDA103M	5440MDB103F	5440MDB103M	5440E103F	5440E103M
105	5440MDA105F	5440MDA105M	5440MDB105F	5440MDB105M	5440E105F	5440E105M
107	5440MDA107F	5440MDA107M	5440MDB107F	5440MDB107M	5440E107F	5440E107M
203	5440MDA203F	5440MDA203M	5440MDB203F	5440MDB203M	5440E203F	5440E203M
205	5440MDA205F	5440MDA205M	5440MDB205F	5440MDB205M	5440E205F	5440E205M
209	5440MDA209F	5440MDA209M	5440MDB209F	5440MDB209M	5440E209F	5440E209M
212	5440MDA212F	5440MDA212M	5440MDB212F	5440MDB212M	5440E212F	5440E212M
219	5440MDA219F	5440MDA219M	5440MDB219F	5440MDB219M	5440E219F	5440E219M
293	5440MDA293F	5440MDA293M	5440MDB293F	5440MDB293M	5440E293F	5440E293M
295	5440MDA295F	5440MDA295M	5440MDB295F	5440MDB295M	5440E295F	5440E295M
327	5440MDA327F	5440MDA327M	5440MDB327F	5440MDB327M	5440E327F	5440E327M




#### Inserts

Insert Representation Inserts Shown from the Plug Mating Side						
Insert Contacts Rating	103 3 1000V/5A or 10A	105 5 630V/5A or 10A	107 7 630V/5A or 10A	203 3 1000V/25A	205 5 800V/25A	209 9 630V/5A or 10A
Insert Representation Inserts Shown from the Plug Mating Side						
Insert Contacts Rating	212 12 630V/5A or 10A	219 19 630V/5A or 10A	293 3 1000V/15A	295 5 1000V/15A	327 27 630V/5A or 10A	

#### Crimp Contacts

Machined Contacts					Stamped Contacts				
Part Numbers		Wire Ø Max	Contacts /Package	Current	Part Numbers		Wire Ø Max	Contacts /Package	Current
Pins	Sockets				Pins	Sockets			
5440020M100	5440020F100	2.6	100	10A	5440220M100	5440220F100	1.52	100	5A
5440016M100	5440016F100	3.2		15A	5440320M100	5440320F100	1.02		
5440012M100	5440012F100	4.5		25A	Consult representative for Crimp Toll requirements. Contacts on Strips available.				

#### Accessories

	Caps				Description	Shell	Part Number
	For Receptacles		For Plugs				
	Shell Size	Part Number	Shell Size	Part Number			
	1	54401BE	1	54401BM	O Ring Seal for Receptacles	1	5440OT01
	2	54402BE	2	54402BM		2	5440OT02
	3	54403BE	3	54403BM		3	5440OT03
	Part Number	Shell	Description		Shell	Part Number	
	5440JT01	1	Insert/Extract Tool to Disconnect Insert and Extract Contacts		1	5440OT01	
	5440JT02	2			2	5440OT02	
	5440JT03	3			3	5440OT03	

AirLB

Current indicated as maximum/contact at 40°C. IP67

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