

Amphenol

Amphe-Lite Non-Magnetic Harsh Environment Connectors

100 percent non-magnetic Amphe-Lite connectors are made of durable corrosion-resistant material. IP67 sealing grommets and interfacial seals are standard. Offered in three styles (wall mount, in-line, and jam nut) and a straight plug, this threaded connector can be completely mated in one 360° turn of the coupling nut.



Features ▶

- Grommets and interfacial seals
- 59 insert arrangements; size 22D, 20, 16, and 12 standard contacts available
- Triple-start coarse thread
- Optional PCB and ACT flex circuits

Benefits ▶

- IP67 rating
- Design flexibility with both power and signal
- Complete mating in a single 360° turn of the coupling nut
- Options created with easy installation in mind

Applications ▶

- MRI equipment
- Medical
- Nuclear
- Rail/mass transit
- Heavy equipment

Product Specifications ▶

Part Number*	Shell Size/ Arrangement	Service Rating	Total Contacts	22D	20	16	12
AL00U23-35P(NMG)	23-35	M	100	100	NA	NA	NA
AL00U13-35P(NMG)	13-35	M	22	22	NA	NA	NA
AL06U15-ACS(NMG)	15-AC	M	26	24	NA	2	NA
AL07U17-35P(NMG)	17-35	M	19	4	11	4	NA
AL00U15-35S(NMG)	15-35	M	37	37	NA	NA	NA
AL06U23-35S(NMG)	23-35	M	100	100	NA	NA	NA
AL07U11-35P(NMG)	11-35	M	13	13	NA	NA	NA
AL06U11-35S(NMG)	11-35	M	13	13	NA	NA	NA
AL00U11-35P(NMG)	11-35	M	13	13	NA	NA	NA
AL07U15-ACP(NMG)	15-AC	M	26	24	NA	2	NA
AL00U-15-15S(NMG)	15-15	I	15	NA	14	1	NA
AL06U21-35P(NMG)	21-35	M	79	79	NA	NA	NA
AL06U11-35P(NMG)	11-35	M	13	13	NA	NA	NA
AL00U11-35P(NMG)	11-35	M	13	13	NA	NA	NA
AL06U13-98S(NMG)	13-98	I	10	NA	10	NA	NA
AL06U13-35P(NMG)	13-35	M	22	22	NA	NA	NA
AL06U15-35S(NMG)	15-35	M	37	37	NA	NA	NA
AL06U11-35S(NMG)	11-35	M	13	13	NA	NA	NA
AL06U13-35S(NMG)	13-35	M	22	22	NA	NA	NA
AL07U17-35S(NMG)	17-35	M	19	4	11	4	NA
AL06U15-35P(NMG)	15-35	M	37	37	NA	NA	NA
AL07U15-35P(NMG)	15-35	M	37	37	NA	NA	NA

*Additional part numbers are available.

Related Information ▶

Service Rating			
Service Rating	AC (V)	DC (V)	Test Voltage
M	400	550	1300 VRMS
I	600	850	1800 VRMS

Contact Rating		
Contact Size	Crimp (A)	Maximum Millivolt Drop*
22D	5	73
20	7.5	55
16	13	49

*When using silver plated wire

Arrow Industrial Selector Guide

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Amphenol



Amphe-Power® Connectors with RADSOK® Technology

Amphe-Power® GT and 5015 feature RADSOK® Technology which gives a high amperage, low-insertion-force electrical terminal. Most pin-and-socket technologies rely on the spring property of contact elements, which tends to weaken over time. Instead, RADSOK utilizes the tensile strength of a flat, high-conductivity-alloy hyperbolic grid. This results in a large conductive surface area, small voltage drop, and small temperature rise.

Features ▶

- High amperage
- Low insertion force
- Minimized temperature rise
- Low millivolt drop
- Easy secure mating

Benefits ▶

- 50% or more amperage than the same-size standard contact
- Easier mating reduces wear and tear and increases the number of mating cycles
- Reduced heat buildup allows higher current capacities at given temperature limits
- Consistent voltage flow
- The GT mates in a quarter turn and the 5015 locks in place by turning down on threads

Applications ▶

- Battery connections
- Stationary power sets
- Generators and alternators
- Base stations
- Petro-chemical installations

Product Specifications ▶

	Part Number*	Plug/Receptacle	Coupling	Plating	Shell Size/Arrangement
Amphe-Power GT	GTC03018-7P(025)	Receptacle	Reverse bayonet	Black zinc	36-4
	GTC03022-1P(025)	Receptacle	Reverse bayonet	Black zinc	22-1
	GTC03020-19P(025)	Receptacle	Reverse bayonet	Black zinc	20-19
	GTC03016-12P(025)	Receptacle	Reverse bayonet	Black zinc	16-12
	GTC03022-7P(025)	Receptacle	Reverse bayonet	Black zinc	22-7
	GTC03036-5P(025)	Receptacle	Reverse bayonet	Black zinc	36-5
	GTC06F18-7S(RDS)(025)	Plug	Reverse bayonet	Black zinc	18-7
	GTC06F28-6S(RDS)(025)	Plug	Reverse bayonet	Black zinc	28-6
	GT06F36-4S(RDS)(025)	Plug	Reverse bayonet	Black zinc	36-4
	GTC06F36-5S(RDS)(025)	Plug	Reverse bayonet	Black zinc	36-5
Amphe-Power 5015	ACC02E22-1P(025)	Receptacle	Threaded	Black zinc	22-1
	ACC02E28-6P(025)	Receptacle	Threaded	Black zinc	28-6
	ACC02E32-5P(025)	Receptacle	Threaded	Black zinc	32-5
	ACC02E32-17P(025)	Receptacle	Threaded	Black zinc	32-17
	ACC06E18-7R(025)	Plug	Threaded	Black zinc	18-7
	ACC06E20-19R(025)	Plug	Threaded	Black zinc	20-19
	ACC06E24-9R(025)	Plug	Threaded	Black zinc	24-9
	ACC06E22-7R(025)	Plug	Threaded	Black zinc	22-7
	ACC06E32-5R(025)	Plug	Threaded	Black zinc	32-5
	ACC06E32-17R(025)	Plug	Threaded	Black zinc	32-17

*Additional part numbers are available.