

Amphenol Ecomate™

EXCELLENT FOR EXTREME ENVIRONMENTS FOUND IN INDUSTRIAL & MEDICAL APPLICATIONS

Amphenol Ecomate connectors are rugged and offer environmental protection under event extreme conditions. They are excellent for plant construction, machine building, control technology and medical applications. A wide selection of housings and shapes are available.



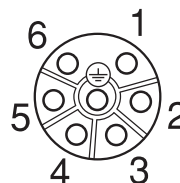
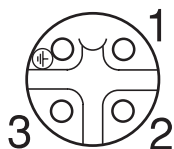
APPLICATIONS

- Welding machines
- Machine tools
- Factory automation
- Electric motors
- Robotics
- Hydraulic controls
- Test & measurement
- Drive systems

FEATURES

- Quick & easy to assemble
- Screwed cable gland with clamping ring
- Strain relief & mounted gasket all in one component
- Robust thread for cable clamp
- Fastening for protective cap on receptacle housing
- Available with crimp or solder-type terminals
- Circular connectors with 3+PE and 6+PE contacts
- Housing of premium molding material
- Cable housing straight or angled
- Vibration-safe connection through stable and non-sensitive screw locking
- Protection to IP65/67 in mated condition in accordance with DIN EN 60526
- Clamping ring or internal strain relief
- One cable housing for cables 6.0-12.5mm

TECHNICAL SPECIFICATIONS



Number of Contacts	3 + PE	6 + PE	
Electrical	Screw-Type	Solder-Type	Crimp-Type
Rated Insulation Voltage	400 V	250V	250V
Current-Carrying Capacity	16A / 131°F (+55°C)	12 A / 131°F (+55°C)	13 A / 131°F (+55°C)
Operating Temperature	-40°F to +212°F (-40°C to +100°C)		
IP-degree of Protection	IP65/IP67		
Mechanical Operation	500 mating cycles		
Housing Material	PA6.6/ PA6		
Dielectric Material	PA6.6/ PA6		
Gasket Material	Neoprene		
Contact Plating	Silver-plated/ Gold-plated		
Termination Technique	Screw	Solder	Crimp
Wire Gauge	0.75 to 2.5mm ² (18-14 AWG)	0.75 mm ² (20 AWG)	0.14-1.15 mm ² (26-16 AWG)
Flammability	UL94 VO		

APPROVALS

		CHARACTERISTICS	APPROVAL #
VDE		3+PE, 400V, 16A	1781
		6+PE, 250V, 10A	1780
SEV		3+PE, 400V, 16A	00.0394
		6+PE, 250V, 6A	
UL		3+PE, 250V, 12A	E63093
		6+PE, 250V, 8A	
CSA		3+PE, 250V, 12A	48932
		6+PE,250V, 8A (Solder)	
		6+PE,250V, 15A (Crimp)	
GERMAN LLOYD		3+PE, 250V, 16A	14108/84
		6+PE, 50V, 8A	