



em eco|mate® Family Overview

The **ecomate® Family** of circular, multiway connectors provide an IP65-69k-rating range (in mated condition) for indoor/outdoor industrial applications and feature robust, durable plastic or metal designs with either bayonet or rapid coupling systems. With a current rating range of 5 to 300A across the individual series, the **ecomate® Family** is perfect for **Factory Automation, Industrial, Heavy Equipment, Heavy Duty, Transportation, and Entertainment/Lighting** markets.



em eco|mate® C16

em eco|mate® RM

em eco|mate® AQUARIUS™

em eco|mate® Plastic

IP Rating	IP65		IP67 IP69K		IP67 IP69K		IP67
Available Shell Sizes/ Insert Arrangements	3 Shell Sizes/ 11 Insert Arrangements		8 Shell Sizes/ 32 Insert Arrangements		6 Shell Sizes/ 27 Insert Arrangements		1 Shell Sizes/ 4 Insert Arrangements
Approvals	VDE, UL and CSA		UL ETCB2 & ETCB8		Pending UL ETCB2 & UL ETCB8		VDE, SEV, UL Recognized, CSA
Materials	Thermoplastic UL94 V-0		Body-Zinc Alloy; Coupling-Nickel Alum.		Thermoplastic UL94 V-0		
Contacts	Stamped & Formed		Machined, Stamped & Formed, PCB (ecomate® RM (Rugged Metal) contacts are fully compatible with ecomate® Aquarius™ contacts, providing significantly increased product flexibility.)			S&F, Machined, Solder	
Termination	Screw (Field Install), Crimp		Crimp, Solder			Screw (Field Install), Crimp, Solder	
Coupling System	Bayonet			Rapid Threading			
Amperage	Up to 50A/900V		7 to 45A (RADSOK® 86 to 300A)		Up to 45A/500V		10 to 20A
Operating Temp	-40°C to +125°C		-40°C to +115°C		-40°C to +125°C		-40°C to +125°C

NOTE: ecomate® RM is available in two (2) ingress protection levels. The standard product IP67, and ecomate® RSSM (Superior Seal) IP69K. Example PN: RT06148PNH03-SS

em eco|mate® Family



Standard products. Custom solutions
Customer Service +1 800 394 7732

Individual ecomate™ Series Insert Arrangement Chart (For Reference Only)

ecomate® Plastic		ecomate® C16		ecomate® Aquarius™		ecomate® RM	
Available ecomate® Plastic Assembled Solutions							

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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