



em eco|mate® Family Overview

The **ecomate® Family** of circular, multiway connectors provide an IP rating range of IP65-69K (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/ 25 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 +105°C	-40°C to +125°C

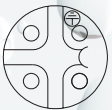



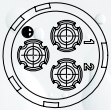






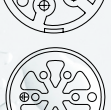





















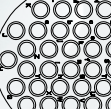






NOTE: **ecomate® RM** is available in two (2) ingress protection levels. The **standard** product IP67, and **ecomate® RSSM (Superior Seal)** IP69K. **Example PN:** RT06148PNH03-SS

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
 3+PE POS 16A/400V Standard  4+PE POS 13A/250V Standard  3+PE POS 14A/600V High Voltage  6+PE POS 14A/600V High Voltage	 2+PE POS 36A/750V SIZE 1  3+PE POS 23A/900V SIZE 1  8+PE POS 10A, 12A/400V SIZE 1  12+3+PE POS 12A, 6A/230V SIZE 1  14+PE POS 16A, 6A/100V SIZE 1  17+PE POS 5A, 6A/100V, 250V SIZE 1  4+PE POS 36A/600V SIZE 1  5+PE POS 16A, 21A/400V SIZE 2  12+PE POS 21A, 11A/300V SIZE 2  14+PE POS 6A, 12A/400V SIZE 2  19+PE POS 5A, 6A/250V SIZE 2	 12 POS 13A/500V SIZE 14  23A, 13A/500V SIZE 14  4 POS 23A/500V SIZE 14  4 POS 5A, 7.5A/250V SIZE 14  19 POS 5A, 7.5A/250V SIZE 14  4 POS 45A/500V SIZE 16  19 POS 13A/500V SIZE 16  23A & 13A/350V SIZE 16  26 POS 5A, 7.5A/250V SIZE 16  23 POS 13A/500V SIZE 18  8 POS 23A/500V SIZE 18  32 POS 5A, 7.5A/250V SIZE 18	 32 POS 5A, 7.5A/150V SIZE 18  1 POS 120A-300A/630V SIZE 20  3 POS 86A/630V SIZE 20  28 POS 13A/300V SIZE 20  35 POS 13A/300V SIZE 22  38 POS 13A/300V SIZE 22  48 POS 13A/300V SIZE 24  7 POS 13A/500V SIZE 14  8 POS 13A/500V SIZE 14
<p>Available in  ecomate® Plastic Assembled Solutions</p>  Example PN: CA0162C22302012  Example PN: CA0161G113003			<p> Available in RADSOX® Technology</p>

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