



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				
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

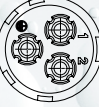
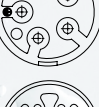
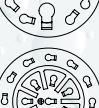
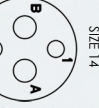
NOTE: ecomate® RM is available in two (2) ingress protection levels. The **standard** product IP67, and **ecomate® RSSM (Superior Seal)** IP69K. **Example PN:** RT06148PNH03-SS

em eco|mate® Family



Standard products. Custom solutions
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Individual ecomate™ Series Insert Arrangement Chart (For Reference Only)

ecomate® Plastic	ecomate® C16	ecomate® Aquarius™	ecomate® RM
 3+PE POS 16A/400V Standard	 2+PE POS 36A/50V	 12 POS 13A/500V SIDE 14	 3 POS 13A/500V SIDE 10
 6+PE POS 13A/250V Standard	 3+PE POS 23A/900V SIDE 1	 4 POS 23A, 13A/600V SIDE 14	 4 POS 13A/300V SIDE 10
 3+PE POS 14A/600V High Voltage	 8+PE POS 10A, 12A/400V SIDE 1	 4 POS 13A/500V SIDE 10	 4 POS 5A, 7A/150V SIDE 10
 6+PE POS 14A/600V High Voltage	 12+3+PE POS 12A, 6A/320V SIDE 1	 19 POS 5A, 7.5A/250V SIDE 14	 19 POS 5A, 7.5A/150V SIDE 14
Available	 14+PE POS 16A, 6A/100V SIDE 1	 4 POS 45A/500V SIDE 16	 1 POS 86A/630V SIDE 12
eco	 17+PE POS 5A, 6A/100V, 250V SIDE 1	 19 POS 13A/500V SIDE 16	 1 POS 120A-180A/630V SIDE 16
mate® Plastic Assembled Solutions	 4+PE POS 36A/600V SIDE 1	 9 POS 23A, 8, 13A/330V SIDE 16	 4 POS 45A/500V SIDE 16
Example RH: CA016C22302012	 5+PE POS 16A, 21A/400V SIDE 2	 26 POS 5A, 7.5A/250V SIDE 16	 9 POS 23A, 13A/250V SIDE 16
Example RH: CA016G113003	 12+PE POS 21A, 11A/300V SIDE 2	 23 POS 13A/500V SIDE 18	 19 POS 13A/300V SIDE 16
	 14+PE POS 6A, 12A/400V SIDE 2	 8 POS 23A/500V SIDE 18	 26 POS 5A, 7.5A/150V SIDE 16
	 19+PE POS 5A, 6A/250V SIDE 2	 32 POS 5A, 7.5A/250V SIDE 18	 8 POS 23A/375V SIDE 18
		 13 position R45 (3) Cox R631 6U/1A/500V	 23 POS 13A/300V SIDE 18

Available In
RADSOK®
Technology

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

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