



em eco|mate® RM - Rugged Metal Circular Connectors

Available in 8 Shell Sizes / 28 Insert Arrangements

The **ecomate® RM (Rugged Metal) Series** of circular, metal connectors provide an IP67 rating (in mated condition) for industrial applications and offers both standard and high amperage versions, all in a sealed connector system. With a circular bayonet coupling system, it is perfect for Indoor/Outdoor applications in Factory Automation, Industrial, Heavy Equipment, Heavy Duty, Transportation, and Entertainment/Lighting markets.



em eco|mate® RSSM - Rugged **Superior Seal** Metal Circular Connectors

Available in 8 Shell Sizes / 28 Insert Arrangements

The **ecomate® RSSM (Rugged Superior Seal Metal) Series** matches all the specifications of the ecomate® RM (Rugged Metal) series with the addition of **Superior Seals** (+125°C) which increase the IP ratings to IP69K (in mated condition). ecomate® RSSM Plugs are only to be mated with ecomate® RSSM Receptacles to ensure an IP69K rating.



em eco|mate® RM High Amp - Rugged Metal **High Amp** Circular Connectors

Available in 4 Shell Sizes / 5 Insert Arrangements




The **ecomate® RM High Amp Series** matches all the specifications of the ecomate® RM (Rugged Metal) series with the addition of high amperage connector options in 1 and 3 pole high-power arrangements featuring RADSOK® technology, ranging from 86A-300A and 630V.



em eco|mate® RM

em eco|mate® RSSM

em eco|mate® RM High Amp

			
IP Rating			
Shell Sizes/Insert Arrangements	8 Shell Sizes / 28 Insert Arrangements		4 Shell Sizes / 5 Insert Configurations
Operating Temp	-40°C to +115°C (+105°C for parts using an Endcap)	-40°C to +125°C	-40°C to +115°C (+105°C for parts using an Endcap)
Materials	Body-Zinc Alloy; Coupling-Nickel Aluminum		
Contacts	Machined, Stamped & Formed, PCB Options		RADSOK®
Coupling System	Bayonet		
Amperage	Up to 45A/600V		86A to 300A/630V
Seals	NBR	Silicone	NBR
Shielding	EMI/RMI Available		
Mating Cycles	>500		>100
Flammability Rating	UL94-VO		
Approvals	UL ECBT2 & ECBT8		

em eco|mate® Family



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

ecomate® RM/RSSM - 8 Shell Sizes/28 Insert Arrangements (For reference only)

* Optional Reduced Diameter Seals (Green) available.

Size 10	Size 10	Size 10	Size 10	Size 10	Size 12	Size 12	Size 12	Size 12
3 Pos 3 x 13A 500V	4 Pos 4 x 13A 500V	4 (2+2) Pos MIX 2 x 13A (A,B) 2 x 5A or 2 x 7.5A (1,2) 500V	6 Pos 6 x 5A or 6 x 7.5A 250V	6 (3+3) Pos MIX 3 x 13A (A,B,E) 3 x 5A or 3 x 7.5A (C,D,F) 500V	3 Pos 3 x 13A 500V	4(2+2) Pos MIX * 2 x 23A (A,B) 2 x 5A or 2 x 7.5A (1,2) 500V	4 Pos * 4 x 13A 500V	8 Pos * 8 x 13A 500V

Size 12	Size 14	Size 14	Size 14	Size 14	Size 14	Size 14	Size 14	Size 16
10 Pos * 10 x 5A or 10 x 7.5A 250V	3 Pos 3 x 45A 600V	4 Pos 4 x 23A 500V	4 (2+2) Pos MIX 2 x 23A (A,B) 2 x 13A (1,2) 500V	7 Pos * 7 x 13A 500V	8 Pos 8 x 13A 500V	12 Pos * 12 x 13A 500V	19 Pos 19 x 5A or 19 x 7.5A 250V	4 Pos 4 x 45A 600V

Size 16	Size 16	Size 16	Size 18	Size 18	Size 18	Size 20	Size 22	Size 22
9 (4+5) Pos MIX 4 x 23A (A-D) 5 x 13A (E-L) 500V	19 Pos * 19 x 13A 500V	26 Pos 26 x 5A or 26 x 7.5A 250V	8 Pos 8 x 23A 500V	23 Pos * 23 x 13A 500V	32 Pos 32 x 5A or 32 x 7.5A 250V	28 Pos * 28 x 13A 500V	35 Pos 35 x 13A 500V	38 Pos 38 x 13A 500V

Size 24
48 Pos 48 x 13A 500V

ecomate® RM High Amp (Includes RADSOK® Contact Technology) - 4 Shell Sizes/5 Insert Arrangements (For reference only)

Size 10	Size 14	Size 16	Size 20	Size 20
1 Pos 86A 630V	1 Pos 120A 630V	1 Pos 120A-180A 630V	1 Pos 120A-300A 630V	3 Pos 3 x 86A 630V



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

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