



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.



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.



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.



	 eco mate® RM	 eco mate® RSSM	 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	Pending UL ECBT2 & ECBT8		

 **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 13A/500V	4 Pos 13A/300V	4 Pos 13A/350V	6 Pos 5A, 7A/150V	6 (3+3) Pos 13A, 5A/500V	3 Pos 13A/300V	4(2+2) Pos * 23A, 7.5A/350V	4(2+2) Pos * 23A, 13A/500V	8 Pos * 13A/300V

Size 12	Size 14	Size 14	Size 14	Size 14	Size 14	Size 14	Size 14	Size 16
10 Pos * 5A, 7.5A/150V	3 Pos 45A/600V	4 Pos 23A/350V	4 Pos 23A, 13A/350V	7 Pos * 13A/500V	8 Pos 13A/300V	12 Pos * 13A/300V	19 Pos 5A, 7.5A/150V	4 Pos 45A/500V

Size 16	Size 16	Size 16	Size 18	Size 18	Size 18	Size 20	Size 22	Size 22
9 Pos 23A, 13A/250V	19 Pos * 13A/300V	26 Pos 5A, 7.5A/150V	8 Pos 23A/375V	23 Pos * 13A/300V	32 Pos 5A, 7.5A/150V	28 Pos * 13A/300V	35 Pos 13A/300V	38 Pos 13A/300V

Size 24
48 Pos 13A/300V

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 86A/630V



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

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