



RC/RM Machined contact AWG16

A unique contact technology for a wide range of railway connectors

Qualified for railway applications ■ Machined crimp contact

Low contact resistance ■ Gold plated

Good contact retention ■ Locking spring

Suitable for automatic crimping ■ Available on plastic carrier

Technical features

- Machined crimp contact
- **Contact body:** High conductive copper alloy
- **Plating:** K (Std) Min. 0.4µm gold all over, over nickel
- **Current per contact max.:** 15A according to NFF61030
- **Contact resistance:** ≤ 3 MΩ
- **Contact retention in body:** 110 N min.
- **Individual insertion force:** 3.5 N max.
- **Individual withdrawal force:** 0.55 N min
- RC/RM machined contact size 16 can be used in any contact position UTS, UTO, VGE1 and 838 connectors

Ordering information

Type	(K)RM	16	M	23	(GE1)	K
RM: Male contact bulk packing	(K)RC	16	M	23	(GE1)	K
RC: Female contact bulk packing						
KRM: Male contact on plastic carrier strip						
KRC: Female contact on plastic carrier strip						
Wire size						
#14 – #16 – #20 – #24 – #28						
Contact size #16						
.0625" (1.6mm) diameter contacts						
Design variation: Crimp barrel						
Contact type						
No digit: Pin						
GE1: Longer contact						
GE3: Shorter contact (only male contact)						
GE7: Shorter contact (only female contact)						
Plating indication:						
K: Gold						
Other plating on request						
Packing quantity						
No digit (std): 50 pcs bulk packing (RM/RC)						
2000 pcs on reel (KRM/KRC)						
1000: 1000 pcs bulk packing (RM/RC)						

The RM/RC machined contact packing

Conscious of the wide variety of applications, contact packaging has been considered for small series (bulk packaging) and high volume production (reeled contacts):



- 50 pieces bulk package (machined contacts)



- 1000 pieces bulk package (machined contacts)



- 5000 pieces reeled (machined contacts)

RM/RC machined contacts



Part numbers & dimensions

Part numbers				Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length	O.D.**	L1	L2
Male contact	FIG.	Female contact	FIG.	AWG	mm ²						
RM28M1K	1	RC28M1K	6	30-28	0.05-0.08	0.55	1.1	4.8	1.90	26.2	18.2
RM24M9K	2	RC24M9K	7	26-24	0.13-0.20	0.8	1.6		2.55		
RM20M13K	3	RC20M13K	8	22-20	0.32-0.52	1.18	1.8		2.92		
RM20M12K		RC20M12K					2.2	2.92			
RM16M23K	4	RC16M23K	9	20-16	0.50-1.50	1.80	3.2	2.55	26.2		
RM14M50K	5	RC14M50K	10	16-14	1.5-2.5	2.05		3.10			
RM14M30K	5	RC14M30K	10	16-14	1.5-2.5	2.28		3.10			

For machined contacts reeled on plastic carrier: put «K» in front of part number example: KRM16M13K

Dimensions

Comparison with standard RM / RC contacts

	GE1	GE3	GE7
RM contact (male contact)	+ 1 mm	-1 mm	-
RC contact (female contact)	+ 1.5 mm	-	-0.6 mm

Contact selector guide

	Standard RC contact	RM*GE1	RC*GE7
Standard RC contact			
Standard RM contact			Last Mate, First Break
RM*GE1	First Mate, Last Break		

First Mate, Last Break contact can be used as grounding contact.

Note : all dimensions are in mm / ** Outer diameter

RM/RC machined contact

Longer

Part numbers				Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length	O.D.**	L1	L2
Male contact	FIG.	Female contact	FIG.	AWG	mm ²						
RM28M1GE1K	1	RC28M1GE1K	6	30-28	0.05-0.08	0.55	1.1	4.8	1.90	27.2	19.7
RM24M9GE1K	2	RC24M9GE1K	7	26-24	0.13-0.20	0.8	1.6		2.55		
RM20M13GE1K	3	RC20M13GE1K	8	22-20	0.32-0.52	1.18	1.8		2.92		
RM20M12GE1K		RC20M12GE1K					2.2	2.55			
RM16M23GE1K	4	RC16M23GE1K	9	20-16	0.52-1.50	1.80	3.2	7.1	2.55		
RM14M50GE1K	5	RC14M50GE1K	10	16-14	1.5-2.5	2.05			3.10		
RM14M30GE1K	5	RC14M30GE1K	10			2.28					

Shorter

Part numbers				Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length	O.D.**	L1	L2
Male contact	FIG.	Female contact	FIG.	AWG	mm ²						
RM28M1GE3K	1	RC28M1GE7K	6	30-28	0.05-0.08	0.55	1.1	4.8	1.90	25.2	17.6
RM24M9GE3K	2	RC24M9GE7K	7	26-24	0.13-0.20	0.8	1.6		2.55		
RM20M13GE3K	3	RC20M13GE7K	8	22-20	0.32-0.52	1.18	1.8		2.92		
RM20M12GE3K		RC20M12GE7K					2.2	2.55			
RM16M23GE3K	4	RC16M23GE7K	9	20-16	0.52-1.50	1.80	3.2	7.1	2.55		
RM14M50GE3K	5	RC14M50GE7K	10	16-14	1.5-2.5	2.05			3.10		
RM14M30GE3K	5	RC14M30GE7K	10			2.28					

Crimptooling

Stripping length	Wire size		Part numbers		Tool	Locator	Tool selector	Extraction tool
	AWG	mm ²						
4.8	30-28	0.05-0.08	RM28M1*	RC28M1*	MH860 (M22520/7-01)	MH86164G	4/6	RX2025GE1
	26-24	0.13-0.2	RM24M9*	RC24M9*	MH860 (M22520/7-01)	MH86164G	5/6	
	22-20	0.32-0.52	RM20M12*	RC20M12*	MH860 (M22520/7-01)	MH86164G	5/7	
7.1	20-16	0.5-1.5	RM16M23*	RC16M23*	MH860 (M22520/7-01)	MH86164G	6/8	
	16-14	1.5-2.5	RM14M30	RC16M30*	AF8 (M22520/1-01)	TP1142	8	
	16-14	1.5-2.5	RM14M50*	RC14M50*	AF8 (M22520/1-01)	TP1142	8	

SOURIAU

railway-connectors.com

contactindustry@souriau.com

SOURIAU

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Standard Circular Contacts](#) category:

Click to view products by [Sunbank](#) manufacturer:

Other Similar products are found below :

[RC16M23J](#) [133780-1](#) [RM20M13D28](#) [RM24M9D28](#) [RMMX110-1D28](#) [MS3474W10-6P L/C](#) [ELVP16100E](#) [164-901-CD](#) [EN3545007SCE](#)
[BV002BSQ20049CZ](#) [BV002SSQ160404CZ](#) [1900ND05S1B00B](#) [166566-1](#) [1900ND04S1X00D](#) [ST-JL05-16S-C3-100](#) [ST-JL05-20S-C1-100](#)
[ST-JL05-20S-C2-100](#) [T01-CRIMP-S03](#) [APK-SA16A07-002](#) [27963-15T12](#) [CONT-JL05-08S-C2-10](#) [CONT-JL05-12S-C1-10](#) [RC16M-23T](#)
[RFD26L-1D28](#) [BV002ASJ16049CW](#) [JN1-22-20S-R-PKG100](#) [031-50213](#) [031-50565](#) [031-50794](#) [SJS861301M](#) [ST-JL05-16S-C1-100](#) [ST-](#)
[JL05-20P-C1-100](#) [82911466K](#) [192991-0087](#) [192900-0570](#) [T3P16FC3LZ](#) [ST-JL05-16S-C2-3500](#) [ZP-4016-10NF](#) [CONT-JL05-12P-C1-10](#)
[RM20M12G8D28](#) [031-50676](#) [12115010110](#) [RJFTVC2MG](#) [CAP-DACMDPC2](#) [031-50675-002](#) [CAP-DD1FDPC2](#) [CAP-DACMDPC1](#) [031-](#)
[50966-010](#) [ASSP-10-F-A-C-SA](#) [FB-00BSMA-TL7001](#)