



Machined crimp contacts and associated tools

Contacts designed for railway applications with tooling package

- Qualified for railway applications
 - Several plating available
 - Good contact retention
 - Complete range of contacts
- NFF 61 030 compliant
 - Gold, Silver
 - Locking spring
 - Signal and power contacts



Machined contacts



Contacts

	Part numbers						Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length
	Standard contacts		Longer contacts		Shorter contacts						
	Male	Female	Male	Female	Male	Female	AWG	mm ²			
#16	RM20M12K	RC20M12K	RM20M12GE1K	RC20M12GE1K	RM20M12GE3K	RC20M12GE7K	22-20	0.32-0.52	1.18	2.2	4.8
	RM16M23K	RC16M23K	RM16M23GE1K	RC16M23GE1K	RM16M23GE3K	RC16M23GE7K	20-16	0.50-1.50	1.80	3.2	7.1
	RM14M50K	RC14M50K	-	-	-	-	16-14	1.5-2.5	2.05		
	RM14M30K	RC14M30K	RM14M30GE1K	-	-	RC14M30GE7K	16-14	1.5-2.5	2.28		

	Gold plating		Silver plating		Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length
	Male	Female	Male	Female	AWG	mm ²			
#12	82911457NK	82911456K	82911457NA	82911456A	26-22	0.13-0.38	0.87	4.9	7 to 8
	82911459NK	82911458K	82911459NA	82911458A	20	0.5	1.12		
	82911461NK	82911460K	82911461NA	82911460A	18	0.75-1.0	1.42		
	82911463NK	82911462K	82911463NA	82911462A	16	1.5	1.72		
	82911465NK	82911464K	82911465NA	82911464A	14	2.5	2.22		
	82911467NK	82911466K	82911467NA	82911466A	12	4.0	2.82		

	Silver plating		Wire size		Max. wire Ø	Max. insul. Ø	Wire strip length
	Male	Female	AWG	mm ²			
#8	82913601A	82913600A	16	1.5	1.72	6.5	6.5 to 7.5
	82913603A	82913602A	14	2.5	2.22		
	82913605A	82913604A	12	4.0	2.82		
	82913607A	82913606A	10	6.0	3.5		

Tooling for machined contacts



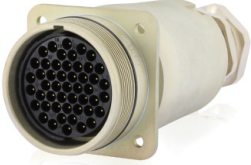

Tooling

	Contact type		Tool	Locator	Tool selector	Extraction tool
	Male	Female				
#16	RM28M1...	RC28M1...	MH860 (M22520/7-01)	MH86164G	4/6	RX2025GE1
	RM24M9...	RC24M9...	MH860 (M22520/7-01)			
	RM20M12...	RC20M12...	MH860 (M22520/7-01)			
	RM16M23...	RC16M23...	MH860 (M22520/7-01)	MH86164G	6/8	
	RM14M30...	RC14M30...	AF8 (M22520/1-01)			
	RM14M50...	RC14M50...	M317	TP1142	8	
					3	

	Contacts type		Tool	Locator	Extraction tool
	Male	Female			
#12	82911457...	82911456...	M317	VGE10077A	51060210924
	82911459...	82911458...			
	82911461...	82911460...			
	82911463...	82911462...			
	82911465...	82911464...			
	82911467...	82911466...			

	Contacts type		Tool	Locator	Extraction tool
	Male	Female			
#8	82913601A	82913600A	M317	VGE10078A	51060210936
	82913603A	82913602A			
	82913605A	82913604A			
	82913607A	82913606A			

Contact selector guide

Connectors	Contacts		
	#16	#12	#8
<p>VGE1 / FER1 (outdoor equipments)</p>  <p>Up to 60 contact #16</p>	✓	✓	✓
<p>838J49 (outdoor equipments)</p>  <p>Up to 49 contacts #16</p>	✓	-	-
<p>SMS Flame retardand (indoor equipments)</p>  <p>Up to 36 contacts #16</p>	✓	-	-
<p>SMS IP (indoor equipments)</p>  <p>Up to 12 contacts #16</p>	✓	-	-
<p>UTS / UTO (indoor equipments)</p>  <p>Up to 23 contacts #16</p>	✓	✓	✓

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