



## 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 <sup>2</sup>			
#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 <sup>2</sup>			
#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 <sup>2</sup>			
#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><b>VGE1 / FER1 (outdoor equipments)</b></p>  <p>Up to 60 contact #16</p>	✓	✓	✓
<p><b>838J49 (outdoor equipments)</b></p>  <p>Up to 49 contacts #16</p>	✓	-	-
<p><b>SMS Flame retardand (indoor equipments)</b></p>  <p>Up to 36 contacts #16</p>	✓	-	-
<p><b>SMS IP (indoor equipments)</b></p>  <p>Up to 12 contacts #16</p>	✓	-	-
<p><b>UTS / UTO (indoor equipments)</b></p>  <p>Up to 23 contacts #16</p>	✓	✓	✓

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