

POWER RFM



Main Characteristics

- Blind mate, floating fixing
- High mating / unmating cycles (up to 5000)
- Performances following NF F 61-032 (Railways)
- Good behaviour in vibrations
- Low insertion forces
- Power contacts (60 and 200 Amps)*
- Modular* (2 modules of one crimp contact) and Monopiece (6 contacts with removable crimp)
- Metallic guiding pins

* Lower current & signal contacts are available on « RFM SERIES » datasheet

Description

- Plugs and receptacles with floating fixing
- Stackable modules (for modular version)
- Allows misalignment between rack and panel : +/- 1.25 mm around the fixing screw, it means ø2.5 mm for each connector



Applications

- Railway Racks (cars batteries)
- Battery Racks
- Base stations

DOC-POWERRFM-ANG-A

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Monopiece 6 x 60 A

. Contacts :

P/N	Designation	Termination	Current	Section
30501	Pin contact diameter 3.5	Crimp	60A	. 13 mm ² . AWG 6
30502	Socket contact diameter 3.5	Crimp	60A	. 13 mm ² . AWG 6
30533	Pin contact diameter 3.5	Crimp	60A	. 4 à 10 mm ² . AWG 8-10
30534	Socket contact diameter 3.5	Crimp	60A	. 4 à 10 mm ² . AWG 8-10



. Tooling :

Crimping :

Contacts 30533 30534	OCETA M 317 Plier Selector positions 5 to 8 (Gauge AWG 10 to 8) Locator OCETA TP 805
	COJACK TGV 515 Plier Selector positions 5 to 8 (Gauge AWG 10 to 8) Locator COJACK TGV 503

Contacts 30501 30502	OCETA M 317 Plier Selector positions 6 (Gauge AWG 6) Locator OCETA TP 805
	COJACK TGV 515 Plier Selector positions 6 (Gauge AWG 6) Locator COJACK TGV 503

Insertion : Part numbers for pins and sockets contacts
Diameter 3.5 mm : **RFM ODI X 3.5**

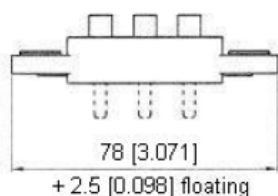
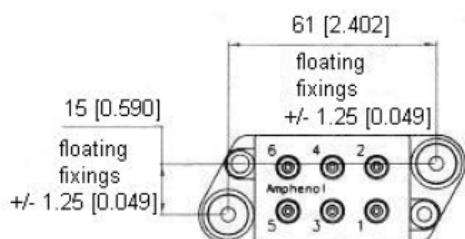
Extraction : Part numbers for pins and sockets contacts
Diameter 3.5 mm : **RFM ODE 3.5**



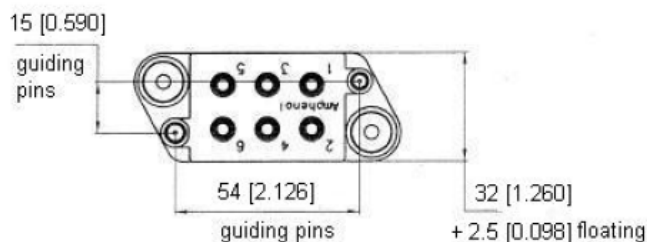
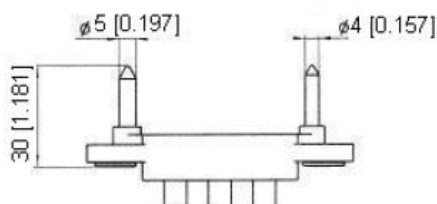
. Dimensions :

Nota : Plug or receptacle can be equipped with pins or sockets

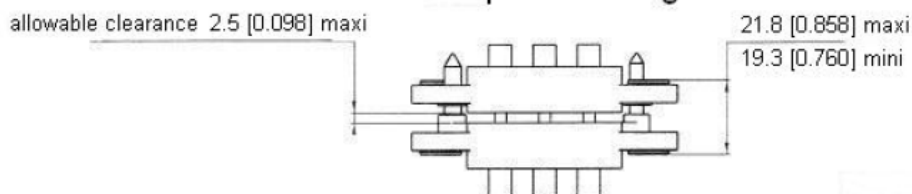
Receptacle (P/N : 507688)



Plug (P/N : 507687)



Receptacle & Plug



Dimensions are in mm [inches]

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200 Amps module

This module can be put into standard RFM modular connectors. Below you will find data corresponding to a 2x200 Amps connector. For other configuration please contact us (contact@amphenol-socapex.com).

. Contacts :

P/N	Designation	Termination	Current	Section
30279	Pin contact diameter 8	Crimp	200A	. 50 mm ² . AWG 0
30280	Socket contact diameter 8	Crimp	200A	. 50 mm ² . AWG 0



. Tooling :

Crimping :



Hydraulic tools :

Part numbers for pins and sockets contacts : **809947**



Crimping dies :

Part numbers for pins and sockets contacts : **809948**

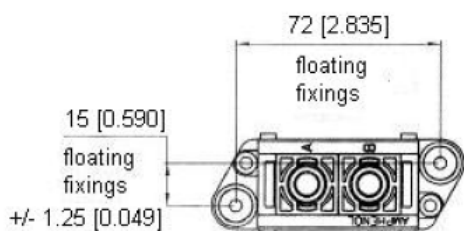
Removal :



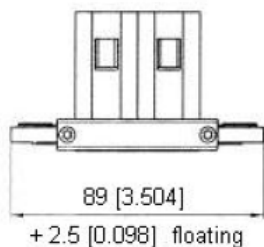
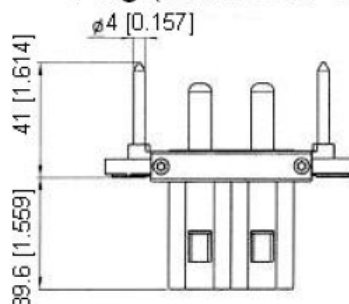
Part numbers for pins and sockets contacts : **809982**

. Dimensions :

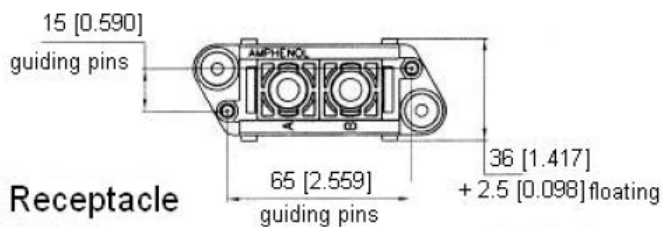
Receptacle (P/N : 507780)



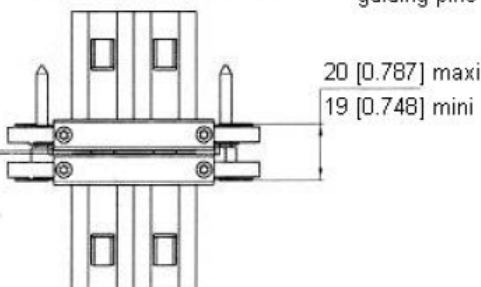
Plug (P/N : 507781)



Plug & Receptacle



allowable clearance 1 [0.039] maxi



Dimensions are in mm [inches]

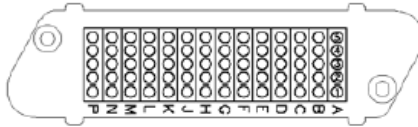
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For information, below standard RFM arrangements (NF F 61-032).

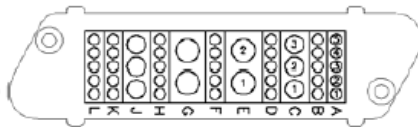
For more information, please consult « RFM SERIES : Modular Floating Racks » datasheet.

Nota : For the arrangements 2XX and 3XX the inserts are longer at the rear, in order to avoid to put heat shrink boots around the contact crimping area.

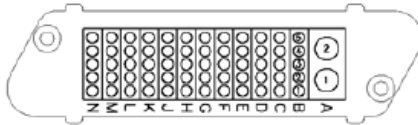
Plug Rep 2 and 202
Recept. Rep 102 and 302



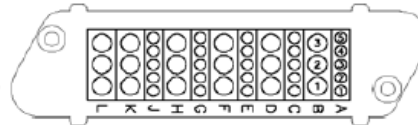
Plug Rep 13 and 213
Recept. Rep 113 and 313



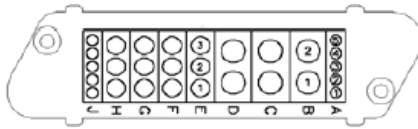
Plug Rep 3 and 203
Recept. Rep 103 and 303



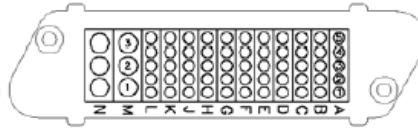
Plug Rep 17 and 217
Recept. Rep 117 and 317



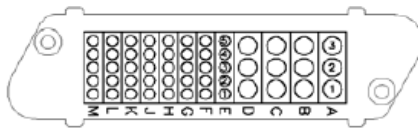
Plug Rep 4 and 204
Recept. Rep 104 and 304



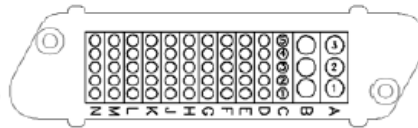
Plug Rep 20 and 220
Recept. Rep 120 and 320



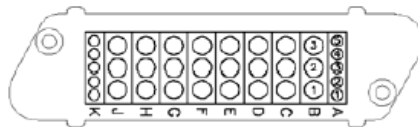
Plug Rep 7 and 207
Recept. Rep 107 and 307



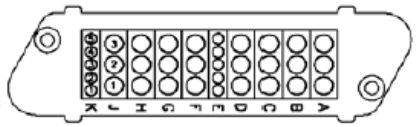
Plug Rep 23 and 223
Recept. Rep 123 and 323



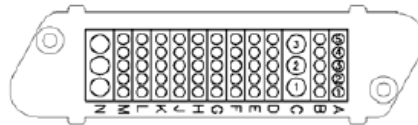
Plug Rep 8 and 208
Recept. Rep 108 and 308



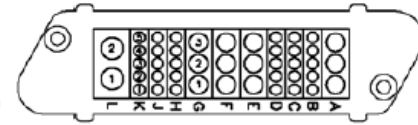
Plug Rep 29 and 229
Recept. Rep 129 and 329



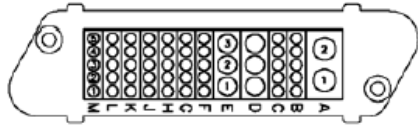
Plug Rep 9 and 209
Recept. Rep 109 and 309



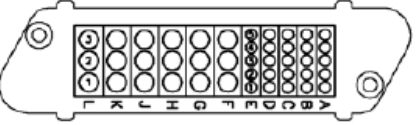
Plug Rep 30 and 230
Recept. Rep 130 and 330



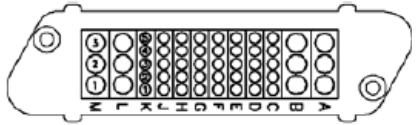
Plug Rep 34 and 234
Recept. Rep 134 and 334



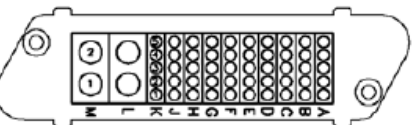
Plug Rep 43 and 243
Recept. Rep 143 and 343



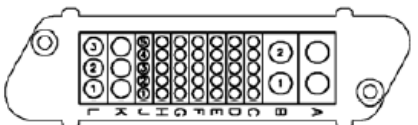
Plug Rep 35 and 235
Recept. Rep 135 and 335



Plug Rep 47 and 247
Recept. Rep 147 and 347



Plug Rep 37 and 237
Recept. Rep 137 and 337



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