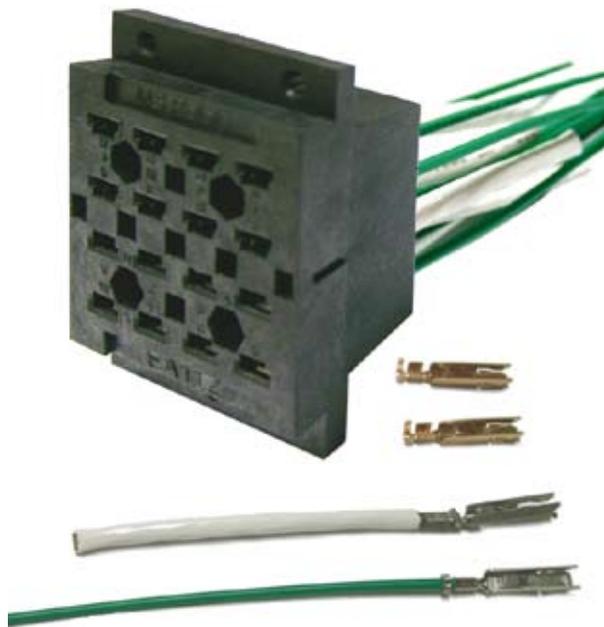


# EA 112 - Socket

## Datasheet



### Description

The EA 112 socket has crimp contacts to allow rear connection on the socket.

The EA112 A or B socket is equipped with wire locking spring or locking bracket mechanism. Hexagonal plastic keys and round plastic plugs are provided for relay type coding, but not inserted. Keying can be provided as an option with matching relay keying.

The EA 112 A socket is suitable for all A type relays and modules.  
The EA 112 B socket is suitable for all B type relays and modules.

### Application

The EA 112 socket is designed for surface/flush mount of relays and modules with rear crimp contacts.

### Features

- Rear connection, with crimp contacts
- No internal soldering / connections
- For panel/flush mount
- Wire locking spring
- EA 112 A suitable for all A relays and modules (A 400, AK, AM, AG, TALOR, TAC)
- EA 112 B suitable for all B relays (B 400, BK, BM, BG, TBBU)
- -40 °C...+80 °C operating temperature

### Benefits

- Proven reliable
- Long life cycle
- Easy to maintain and replace
- Low life cycle cost
- No maintenance

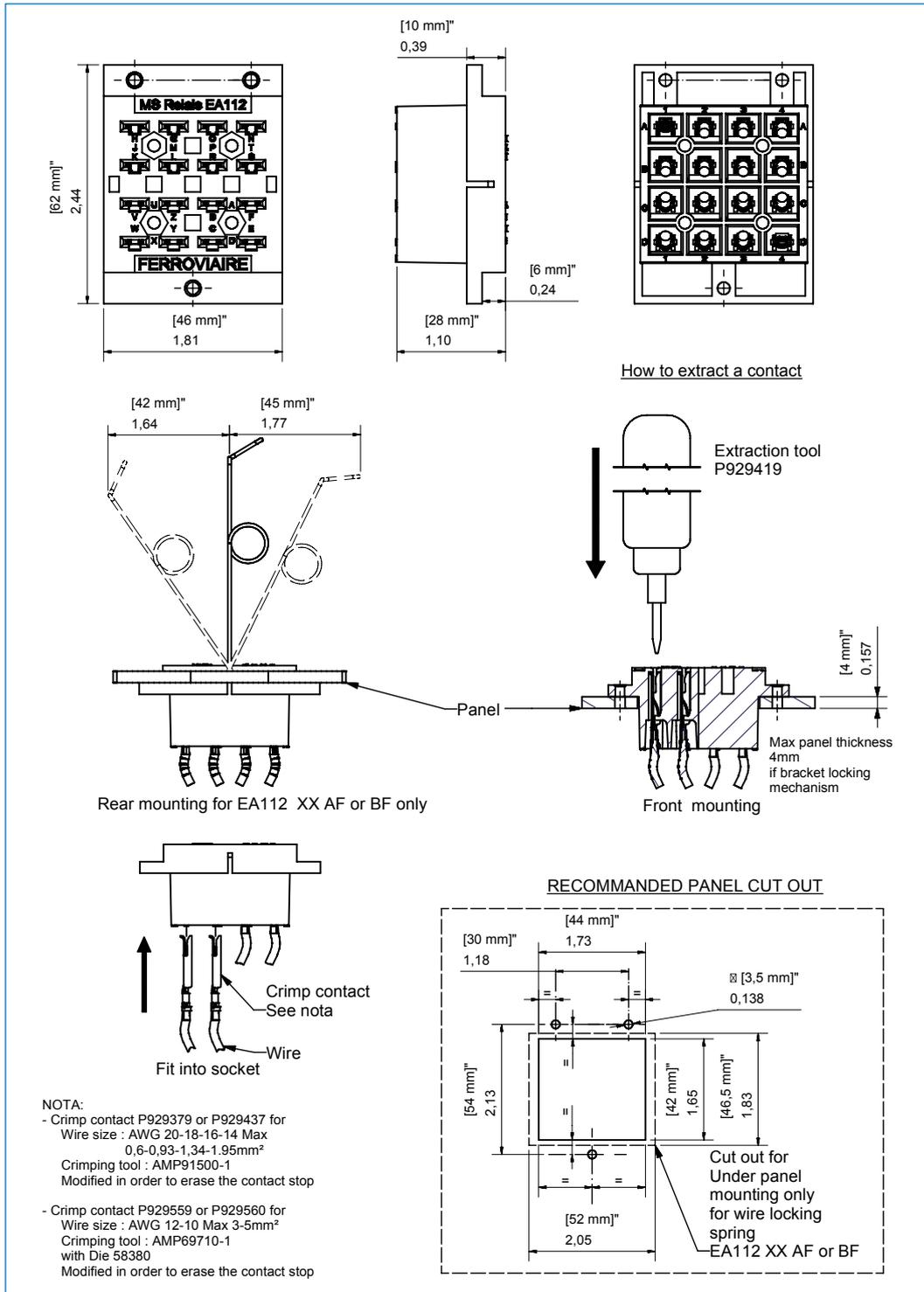
### Railway compliancy

- NF F 62-002 Rolling stock - Instantaneous relay contacts and sockets
- NF F 16-101/102 Fire behaviour - Railway rolling stock

# EA 112 socket

## Technical specifications

### Dimensions (mm) EA 112



# EA 112 socket

## Technical specifications

### Keying explanation

Socket (top view) keyed for BG (72 VDC)

Round plug      Hexagonal key (typical)

Hexagonal plastic key

Round plastic plug

·empty molded re-cesses are filled up by pressing 2 round plastic plugs)

Keying of relay to socket is accomplished by pressing 2 hexagonal keys and 2 round plugs into molded-in recesses on the socket. Relay keying is done in factory.

Insert keys that arrows point to the correct keying letters on socket - see example shown. Faston socket EA 104 shown.

Screw type socket EA 103, front single faston EA 105 and double Faston EA 102 are keyed similarly.

### Mechanical characteristics

Weight	48 g
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# EA 112 socket

## Spare parts

### Spare parts & part numbers



### Parts only for sockets

905843	Locking bracket for A
905846	Locking bracket for B
926853	Wire locking spring for A
431906654	Wire locking spring for B
414928005	Round plastic plugs

### Parts for relays and sockets

414905678	Hexagonal plastic keys
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### Parts for relays

906364 212903020	Lock pins assy, 2 screws
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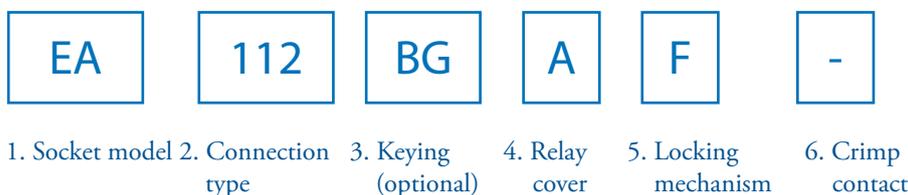
### Crimp contacts

P929560	AWG 12 - 10 / 3 - 5 mm <sup>2</sup>
P929559	AWG 12 - 10 / 3 - 5 mm <sup>2</sup> per roll of 1000 pcs
P929437	AWG 20 - 14 / 0.6 - 1.95 mm <sup>2</sup>
P929379	AWG 20 - 14 / 0.6 - 1.95 mm <sup>2</sup> per roll of 1000 pcs
P929378	Insulative part only
P929419	Extraction tool



# EA 112 socket

## Ordering scheme



This example represents a **EA 112 BG AF**

**Description:** EA 112 BG AF socket for A 400 relay,  $U_{nom}$ : 72 VDC, keying BG, with wire locking spring for surface mounting

### 1. Socket model

**EA**

### 2. Connection type

112    Rear with crimp contacts

### 3. Keying (optional)

Refer to relay keying example A 400 72 BG  
BG    72 VDC

### 4. Relay cover

A    For A type relays and modules  
B    For B type relays and modules

### 5. Locking mechanism

F    Wire locking spring

### 6. Crimp contact

-    Without cimp contact  
CS    Socket delivered with 16 crimp contacts  
P929437 bulk  
CT    Socket delivered with 16 crimp contacts  
P929560 bulk  
CxxTxx    Socket delivered with xx crimp contacts  
P929437 bulk (AWG 20-14) and  
yy crimp contact P929560 (AWG 12-10)  
(xx + yy ≤ 16)





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