

# EA 102 - Socket

## Datasheet



### Description

The EA 102 socket has double faston per terminal, so looping/daisy chaining can be done on the socket and no external connector or terminal is needed. 5 mm faston terminals are required for proper connection.

The EA 102 A or B socket is equipped with a heavy duty locking bracket mechanism. The EA102 AF or BF socket is equipped with wire locking spring. 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 102 A (F) socket is suitable for all A type relays and modules.  
The EA 102 B (F) socket is suitable for all B type relays and modules.

### Application

The EA 102 socket is designed for panel mount of relays and modules with double faston rear connection.

#### Features

- Rear connection, with double faston 5 mm
- No internal soldering / connections
- For panel mount
- Locking bracket or wire locking spring
- EA 102A suitable for all A relays and modules (A 400, AK, AM, AG, TALOR, TAC)
- EA 102B 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

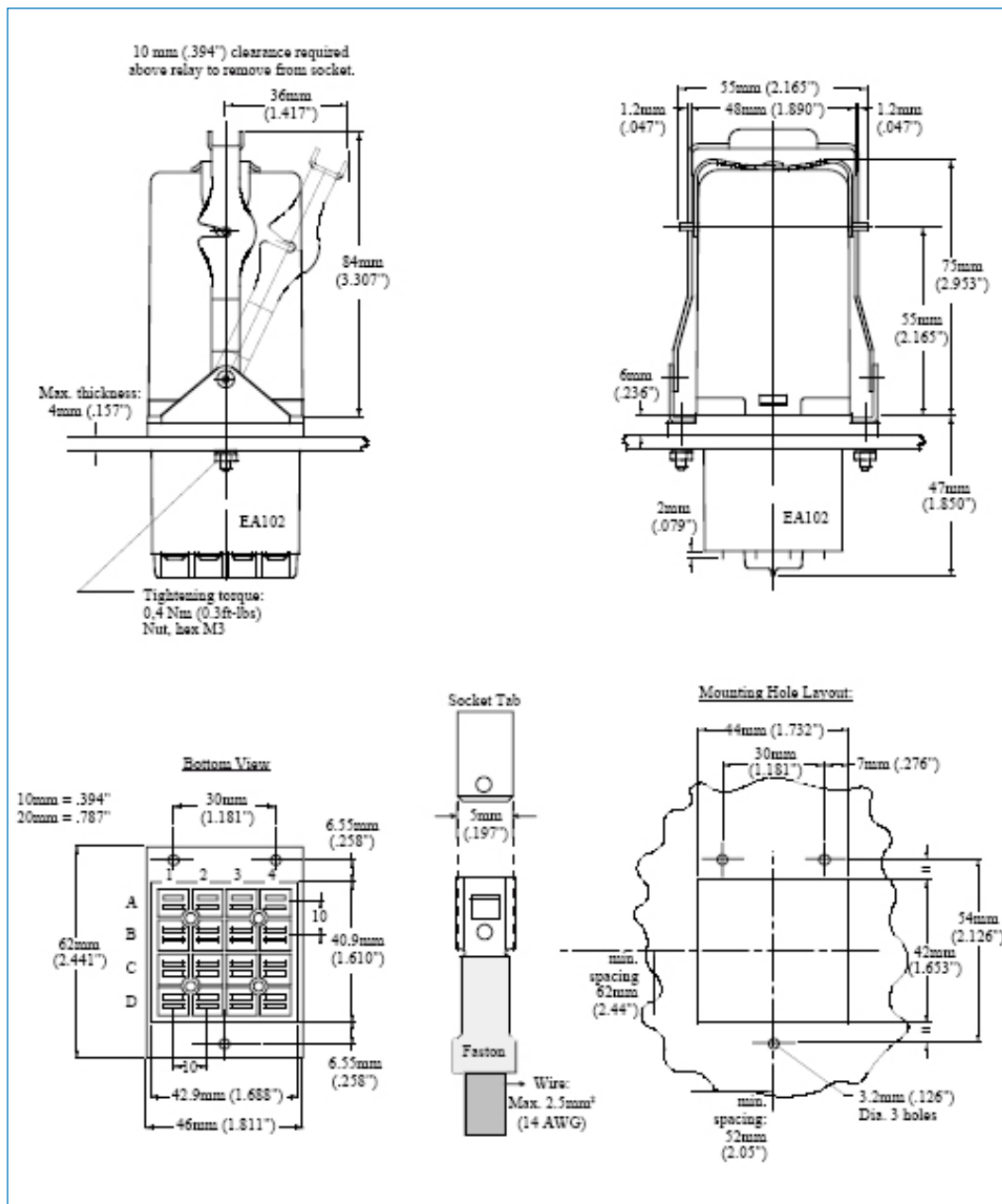
- NF F 62-002 Rolling stock - Instantaneous relay contacts and sockets
- NF F 16-101/102 Fire behaviour - Railway rolling stock



# EA 102 socket

## Technical specifications

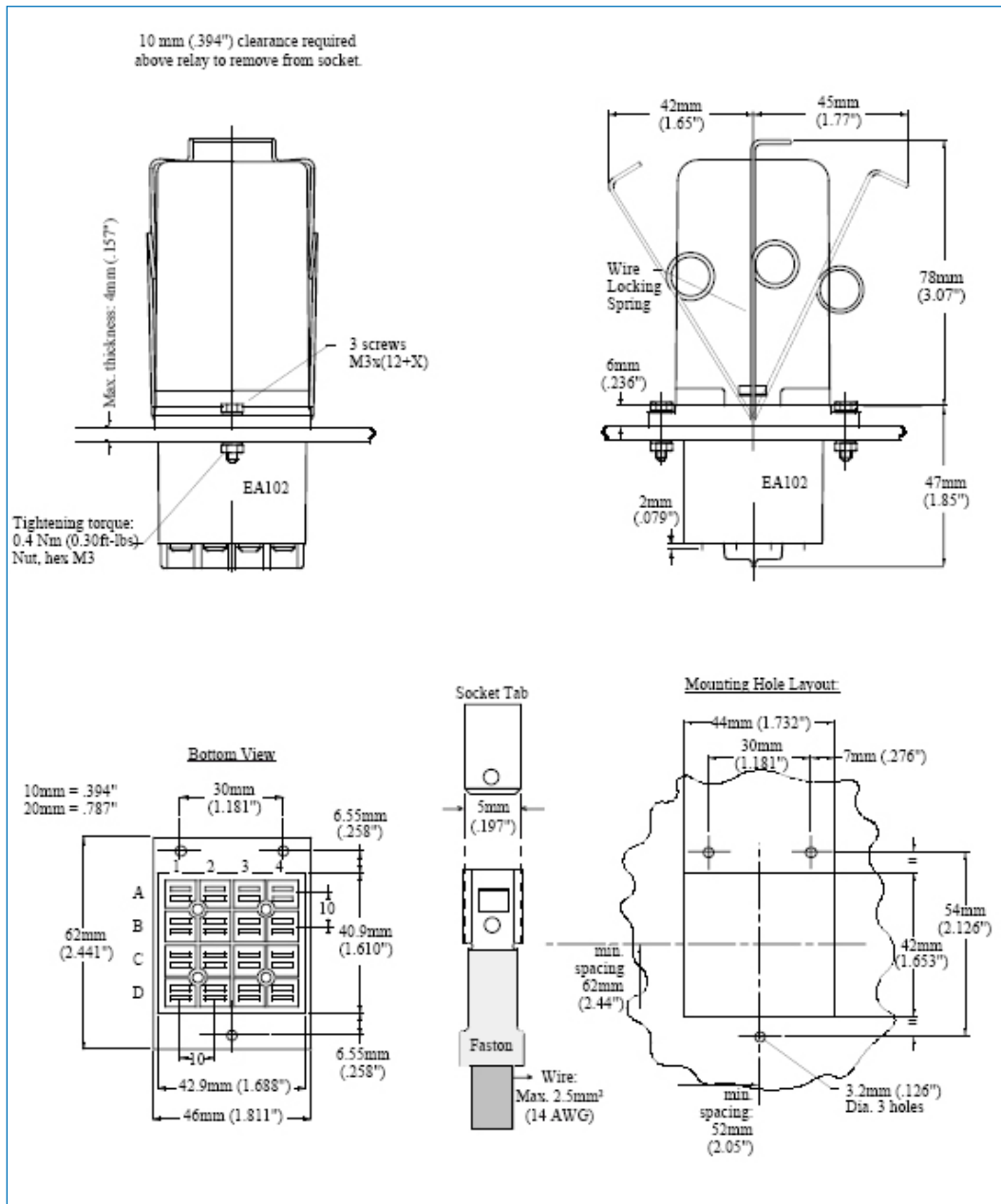
### Dimensions (mm) EA 102 A



# EA 102 socket

## Technical specifications

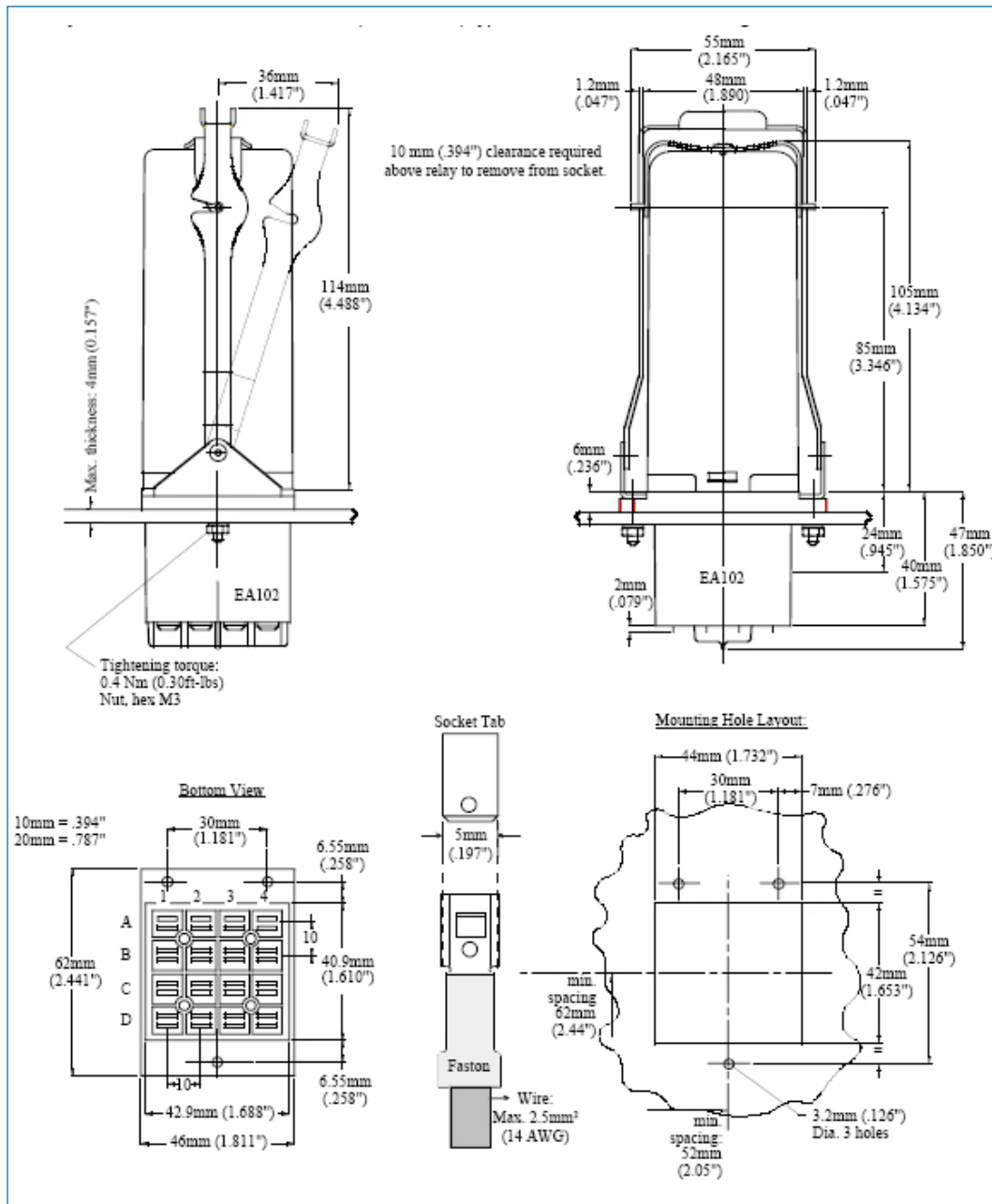
### Dimensions (mm) EA 102 AF



# EA 102 socket

## Technical specifications

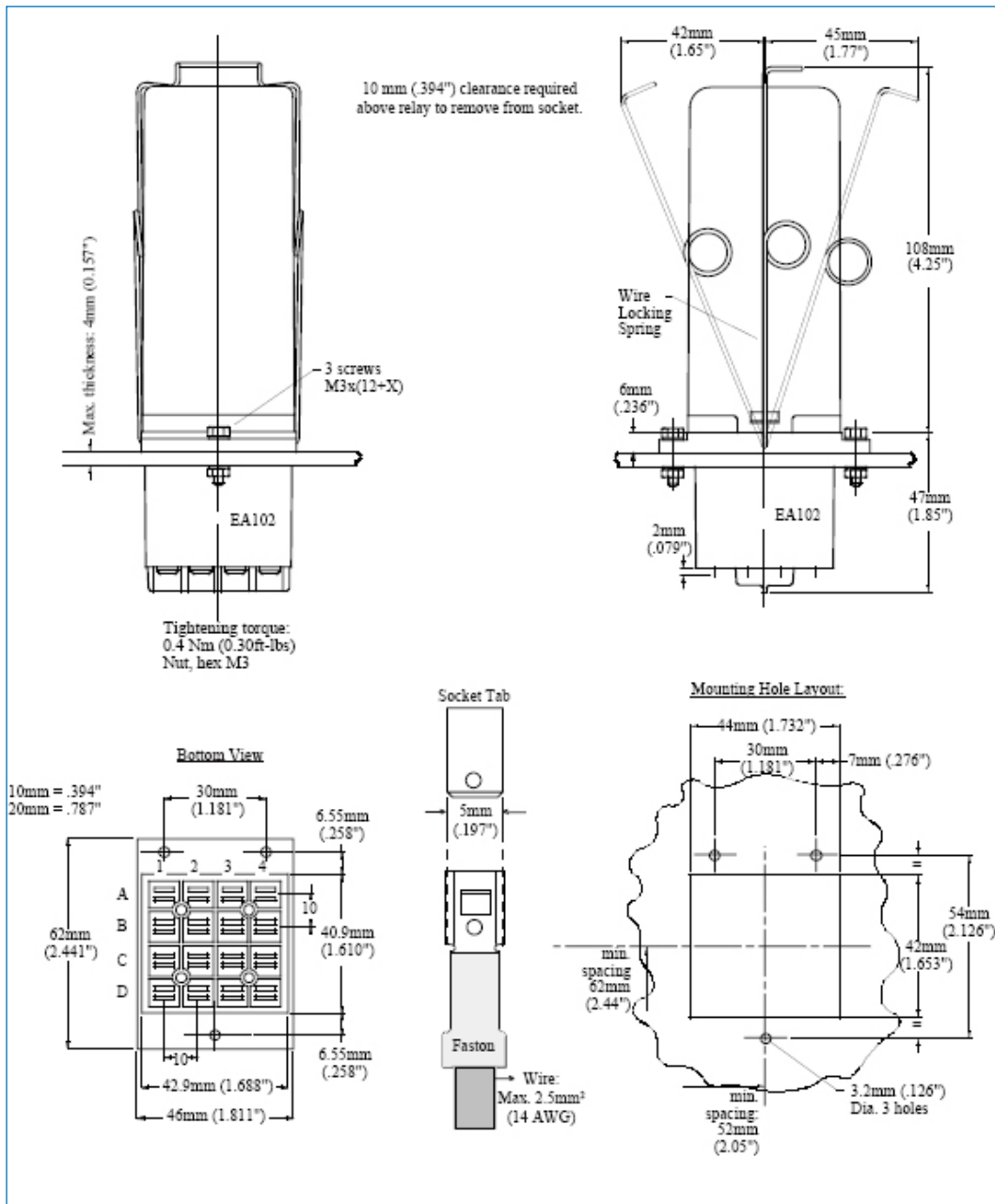
### Dimensions (mm) EA 102 B



# EA 102 socket

## Technical specifications

### Dimensions (mm) EA 102 BF

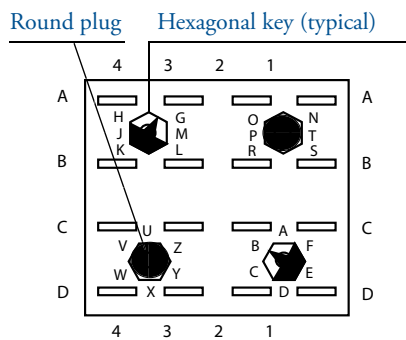


# EA 102 socket

## Technical specifications

### Keying explanation

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



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.

# EA 102 socket

## Technical specifications

### Mechanical characteristics

Weight	108 g
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# EA 102 socket

## Spare parts

### Spare parts & part numbers

			
905843	905846	926853	431906654
			
414928005	414905678	906364 212903020	

### 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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# EA 102 socket

## Ordering scheme



1. Socket model   2. Connection type   3. Keying (optional)   4. Relay cover   5. Locking mechanism

This example represents a **EA 102 BG A**

**Description:** EA 102 BG A socket for A 400 relay,  $U_{nom}$ : 72 VDC, keying BG, with locking bracket for panel mounting

### 1. Relay model

<b>EA</b>
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### 2. Connection type

<b>102</b> Rear with double faston
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### 3. Keying (optional)

Refer to relay keying example A 400 72 BG
<b>BG</b> 72 VDC

### 4. Relay cover

<b>A</b> A type relays and modules
<b>B</b> B type relays and modules

### 5. Locking mechanism

-   Regular locking bracket
<b>F</b> Wire locking spring





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