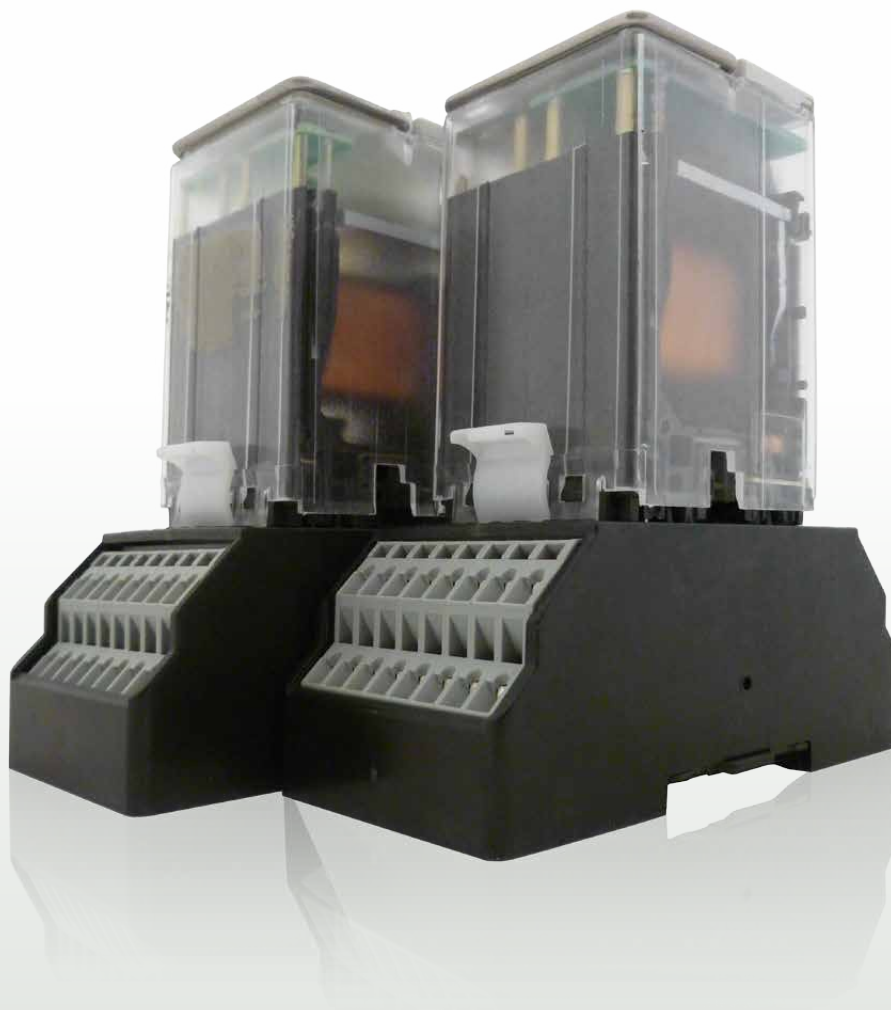


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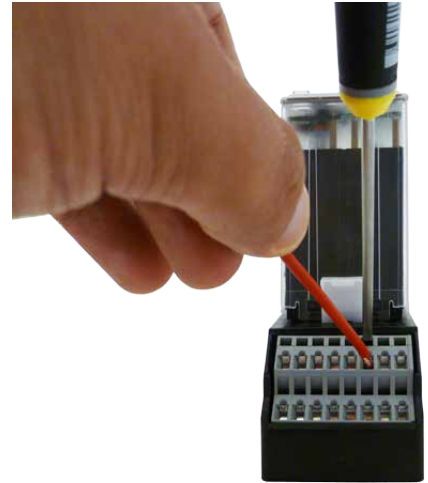


Front Connection Spring  
Type Socket

The Front Connection Spring Type Sockets by Artech are a solution for the railway industry, the best accessories for our full range of 4 contact relays in terms of reliability and endurance.

## Main features

- › Easy and fast to connect by the user.
- › Safer connection.
- › Reduced wiring time.
- › Reduced replacement time.
- › Maintenance-free.
- › Keeps reliability of all the components.
- › Wide range of use in different temperature or damp conditions.



## Tests and standards

### Electrical Tests

Dielectric strength	IEC 60255-27	2kV 50Hz 1min
Surge withstand	IEC 60255-27	5 Kv 0,5 J 1,2/50 s
Insulation	IEC 60255-27	500Vcc >100MΩ

### Environmental Test

Thermal shock	IEC 60068-2	+70°C / -25°C / 5 cycles of 3h+3h.
Damp heat	IEC 60068-2	40°C / 93%Hr / 4 days
Temperature rise at rated voltage	EN 61810-7	55°C / 10A / 3h

### Mechanical Test

Sinusoidal vibrations	EN 60068-2-6	Fc
Shock	EN 60068-2-27	Ea, 5Hz - 8 Hz: 3,5mm amplitude. 8Hz - 150 Hz: 1g.
Bump test	EN 60068-2-29	Eb, 15 g / 11 ms.
Seismic qualifications	IEEE 344-2004, IEEE C37.98-1987	ZPA 5
Free fall test	EN 60068-2-32	Procedure 1, 1000mm / 2 falls from each X, Y y Z

### Ingress Protection

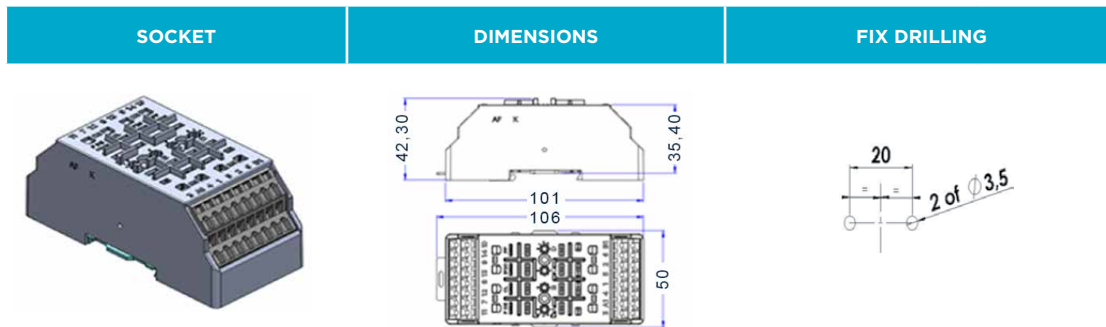
IP20 Protection

### Compatible relays:

- › RF OP
- › TDF OP
- › VDF10 OP
- › BF
- › CF
- › RBF







# Dimensions



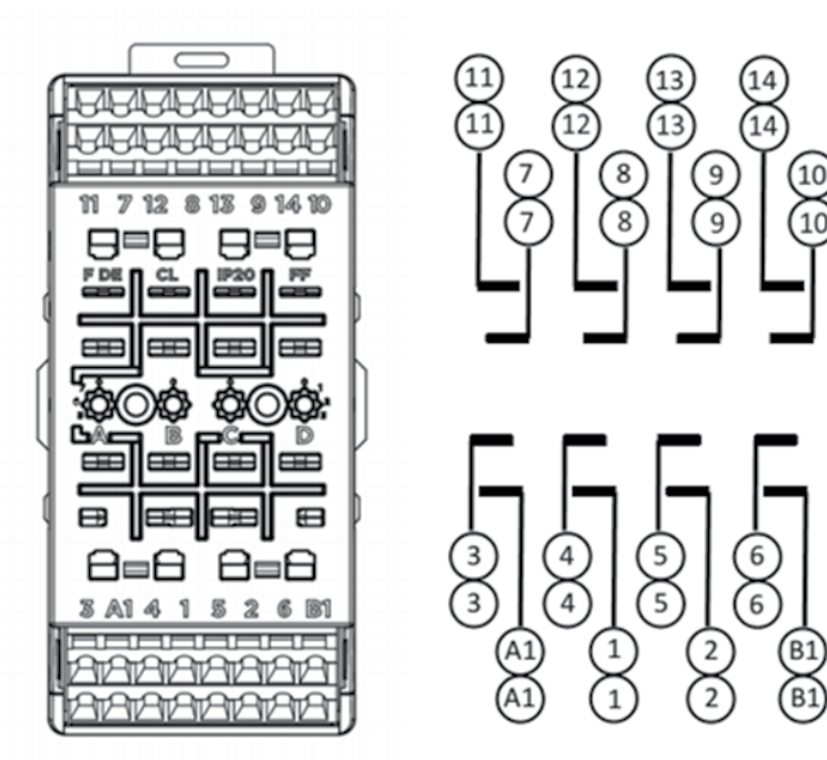
F DE CL IP20

## Terminal

TYPE		MAX. WIRE SECTION.	QUANTITY
RIGID (Stripped wire length: 5 - 6mm)		0,08 - 2,5mm <sup>2</sup>	1+1
FLEXIBLE (Stripped wire length: 5 - 6mm)		0,08 - 2,5mm <sup>2</sup>	1+1
TIP ISOLATE TERMINAL		0,25 - 1,5mm <sup>2</sup>	1+1
TIP WITHOUT ISOLATE TERMINAL		0,25 - 2,5mm <sup>2</sup>	1+1

(Flat screwdriver 0,4 x 3,5mm maximum)

## Wiring diagram



› 2 holes on the terminal block for each connection



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Moving together



ARTECHE\_FY\_Spring\_EN

Version: 1.1

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