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SCHALTBAU
Connect · Contact · Control

P R O D U C T I N F O R M A T I O N

Series NF04 BL0

4 Pole Battery Connector

Our new NF04 BL0-Series connector has a rugged design particularly suitable for use in battery-powered equipment. Connector NF04 BL0 is meant for mounting within the piece of equipment, e.g. in its battery case. When inserting the battery pack the connector gets engaged by means of the battery terminals. Equipped with spring contacts the connector features a steady low contact resistance.

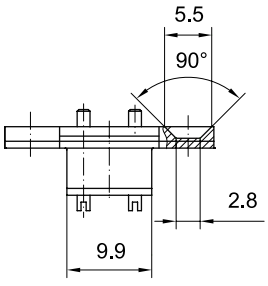
Features:

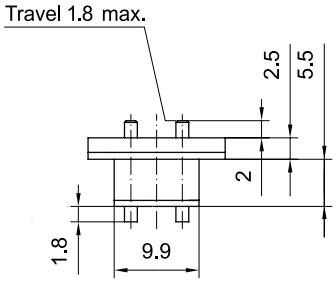
- water protected to IP67 even when unmated or to IP23 without sealing
- very low contact resistance
- high vibration and shock resistance
- various versions available, e.g. contact travel, contact arrangement, ...

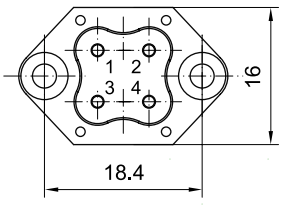
Applications:

- Telecommunications: military, measurement and communications engineering, e.g. Light Field Radio (LFR), Multi Role Radio (MRR), police radio sets
- Industrial electronics : industrial PC, portable systems for industrial purposes, e.g. industrial laptop

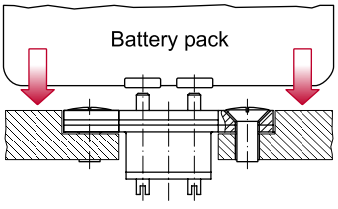
Dimension diagram, Mounting







Mounting (schematic):



Technical Data

Rated voltage	12 V
Rated current	6.5 A max.
Contact resistance	≤ 3 mΩ
Contact force	5 N / Pin
Contact material	Copper wrought alloy, gold plated
Contact inserts	Thermoplastic
Vibration / Shock	4 g in x, y and z direction up to 500 Hz
Protection degree	Water protected to IP67 with sealing, to IP23 without sealing
Sealing elements	Silicone elastomer / Fluor-silicone elastomer
Mechanical life	5,000 operating cycles (IP67) 50,000 operating cycles (IP23)
Temperature range	-25°C to +70°C

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We reserve the right to make technical changes without prior notice.

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