

Power injector for PQI-LV

- ▶ **Plug-in solution for power supply of feeder measurement technology for measuring currents via Rogowski coils**

Item no:

- **111.7080.15.4**



1. Utilisation

With I-Sense, additional current measurements can be carried out with a PQI-LV, e.g. for measuring feeders. Several I-Sense devices can be linked with an RJ45 cable, which conveniently covers both the power supply and the data requirements.

The article 111.7080.15.4 is used between the PQI-LV and the first I-Sense device to couple a 24 V DC power supply into the data feed. The article has the following features:

- Cable with open ends for connection to a separate 24 V DC supply.
- RJ45 socket for RJ45 patch connection to the first I-Sense device.
- RJ 45 plug for direct connection to a PQI-LV on the RS-485 port.

2. Electrical properties

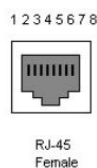
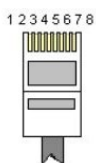
Load capacity: max. 16 I-Sense
 Power supply +24 V DC via open cable end

3. General properties

Cable length: Socket to plug (master device) approx. 30cm
 Socket to cable ends (power supply unit) Approx. 55cm

Temperature range, operation: -20 to +60 C°
 Temperature range, storage: -40 to +70 C°
 Humidity, operation: 15 % to 85 % (no condensate)
 Protection class: IP20 Housing
 Weight: 250g

4. Connection



Pin	Description
1	A1
2	A2
3	A3
4	Modbus B
5	Modbus A
6	A4
7	+24 V DC
8	Common

Plug on master side (A)

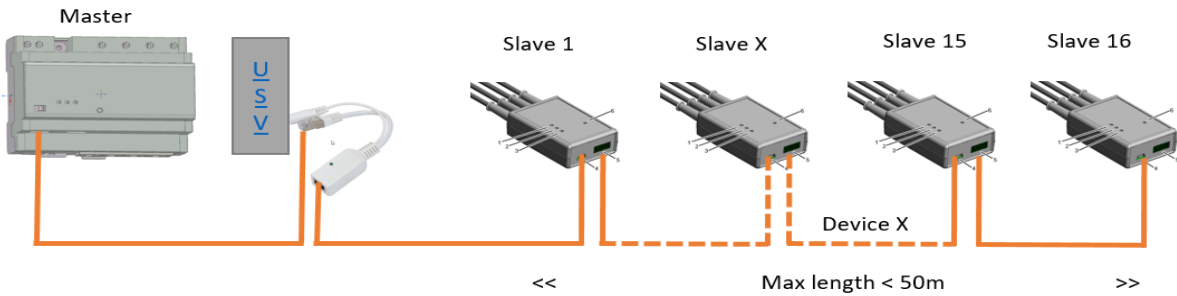
Socket on slave side (B)

We'll sort it out.

Power is supplied via the cable ends fitted with wire end ferrules.

Core colour	Supply voltage
White	+24V
Brown	GND

The connection to the I-Sense is established on side B and side A to the master on this adapter. Up to 16 devices/outlets can be supplied with power by "daisy-chaining" via the right-hand RJ45 socket.



We'll sort it out.

5. Order details

Accessories	IDENT no.
● I-Sense cable clamp adapter , clip for fixing the Rogowski coil to the cable (spare part)	111.7080.15.1
● DIN rail power supply unit 10W , 90 → 264V ac, 24V dc / 400mA, HxWxD: 91mm x 18mm x 57.5mm"	111.7080.15.2
● Power injector I-Sense PQI-LV ; adapter cable to supply the I-Sense devices via a power supply unit using a patch cable.	111.7080.15.4

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