

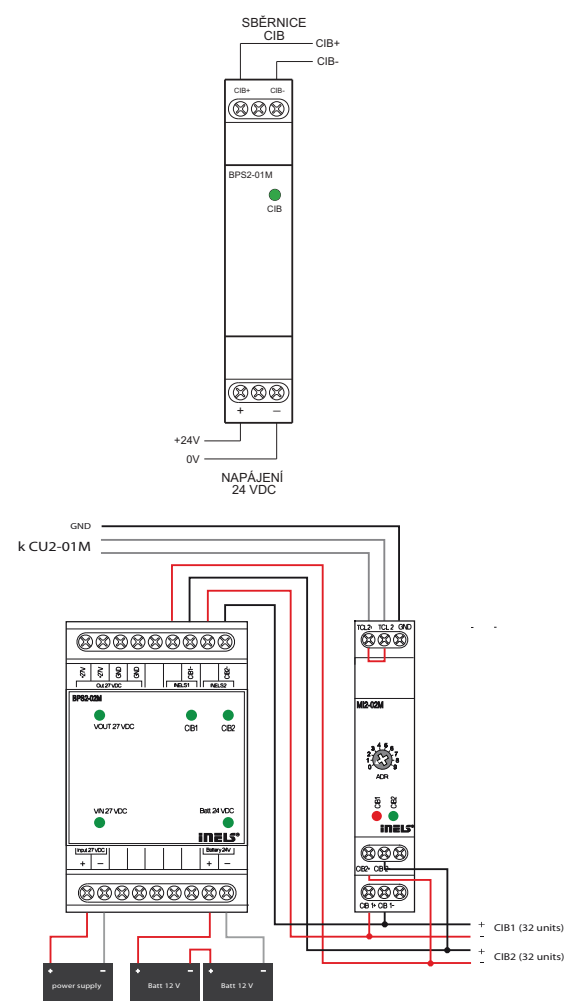
FOXTROT/INELS – CIB impedance separator

Type	DI	DO	AI	AO	Comm
BPS2-01M					1× CIB
BPS2-02M					2× CIB

Basic features

- Both modules are designed to adapt the power supply impedance for the needs of CIB bus.
- This module has the terminals for direct connection of pair of backup accumulators.
- Accumulators provide uninterruptible supply in case of fail of standard power line. This function is enabled by using PS2-60/27 power supply which provides 230 V AC/ 27.2 V DC voltage conversion.
- On the output terminals of the module is uninterruptible voltage on level 27.2 / 24 V DC to supply the controller as well as power on CIB terminals.
- To make a proper project of CIB power supplying, it is necessary to calculate layout of the loads, cross sections of used wires, voltage drops on longer branches and their combinations using free topology.
- Modules, especially BPS1-01M, can be used for additional supplying the bus in distance bigger than 200 m.
- The status of power supply is indicated by LED on front panel.
- Modules are delivered under the name INELS, which is compatible with the CIB.

Connection example

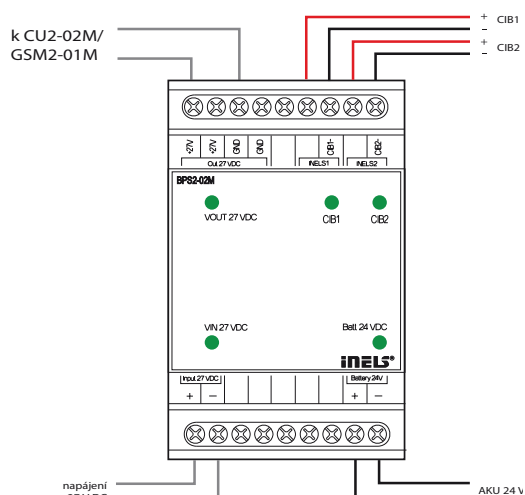


Connection

- Compact form-factor for DIN rail mounting (1 or 2 module width) for standard circuit breaker cabinets.
- Modules are connected directly to power supply 24 V / 27.2 V DC, on the module output there is connected CIB branch.

Use

- BPS2-01M is used to supply one CIB branch, typically for FOXTROT basic modules where only one CIB master is built-in.
- BPS2-02M is designed to supply 2 branches CIB either with connection of CU2-01M or MI2-02M.



Power supply

Input power supply voltage (SELV)	+24 ÷ 27.2 V DC
Output voltage on CIB	2 × +24 ÷ 27.2 V DC, 1 A
Output voltage for controller	1 × +24 ÷ 27.2 V DC, 1 A
Output backup voltage	1 × 24 V DC
Accumulators	2 × 12 V in serial

Dimensions and weight

BPS2-01M	
Dimensions	90 × 18 × 65 mm
Weight	75 g
BPS2-02M	
Dimensions	90 × 52 × 65 mm
Weight	100 g

Operating conditions

Operating temperature	−20 ÷ +55 °C
Storage temperature	−30 ÷ +70 °C
Electric strength	according EN 60950
IP Degree of protection	IP 30
IEC EN 60529	
Overvoltage category	III
Degree of pollution	2
IEC EN 61131-2	
Working position	any
Installation	On DIN rail
Connections	screw terminals
Conductors cross-section	max. 2.5 mm²

Teco a. s. supplies units under the name INELS

Order number

BPS2-01M	BPS2-01M, CIB, 1× CIB impedance separator
BPS2-02M	BPS2-02M, CIB, 2× CIB impedance separator, accumulator connection