

TECOMAT TC700 – External input modules

Type	IB-0401	IB-0402	IB-0403
Number of inputs	16	16	16
Input voltage	24 V DC	24 V DC	230 V AC
Connecting	Screwless terminal	Screwless terminal	Screwless terminal

Basic features

- External input modules are designed as end terminals of high density I/O modules IB-7310, IB-7311 and IS-7510.
- External modules give wider choice of different contact configuration and include input protection elements like varistors or surge arresters.
- IB-0401 – can be doubled and interconnected in order to enable redundant (parallel) connecting to 2 input modules in the rack.
- The status of each input is indicated by the LED on the module.
- Other details are given in the tables below.

Connecting

- External output modules are interconnected with the TC700 modules in the rack by parallel cables KB-0211, KB-0212 or KB-0213 with plug-in connectors or other flat cables compat-

ible with DIN 41651.

- IB-0401 has 3 dedicated terminals for signal, +24 V and GND wires of sensor for each input.
- External modules are mounted on DIN rail.
- Terminals of external modules are designed to be the front end terminal in control panel and can be directly wired to sensors coming from the field.

Use

- External input modules IB-04xx are useful where high density of I/O modules in the rack has to be connected quickly and with minimum wiring inside the control panel.
- External input modules are used where surge protection of input signals coming from outdoor installation is required.



IB-0401



IB-0402



IB-0403

Binary inputs	IB-0401	IB-0402	IB-0403
No. of inputs/ groups	16/ 1	16/ 2	16/ 2
Common wire	AC/ DC Minus	AC/ DC Minus	AC
Input voltage	24 V AC/ DC	24 V AC/ DC	230 V AC, 50/ 60 Hz
Input current at log. 1	max. 7 mA DC, 10 mA AC	max. 7 mA DC, 10 mA AC	max. 10 mA AC
Galvanic isolation of R connector	No, GI is a part of IB-7310, IB-7311 and IS-7510 modules	No, GI is a part of IB-7310, IB-7311 and IS-7510 modules	Yes
External supply voltage of module input circuits	24 V DC/ AC	24 V DC/ AC	24 V DC
Insulation voltage among the inputs and internal circuits	–	–	3750 V AC

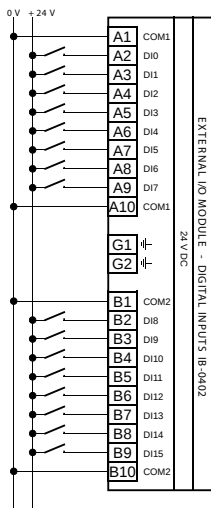
Power supply	IB-0401	IB-0402	IB-0403
Power supply voltage	No power supply is needed	No power supply is needed	24 V DC/ 2 W
Module power loss	4 W	4 W	6 W

Dimensions and weight	IB-0401	IB-0402	IB-0403
Dimensions	108 × 92 × 54 mm	129 × 92 × 54 mm	139 × 125 × 54 mm
Weight	300 g	300 g	300 g

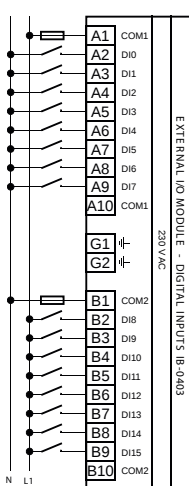


KB-0211
KB-0212
KB-0213

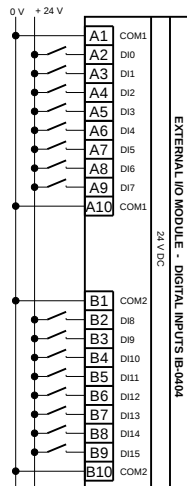
IB-0402



IB-0403



IB-0404



Conductors cross-section

max. 2,5 mm²

max. 2,5 mm²

max. 2,5 mm²

Order number

TXN 104 01	IB-0401 16 × DI 24 V DC, external module for IB-7310, IB-7311, IS-7510
TXN 104 02	IB-0402 16 × DI 24 V DC, surge protection, external module for IB-7310, IB-7311, IS-7510
TXN 104 03	IB-0403 16 × DI 230 V AC, surge protection, external module for IB-7310, IB-7311, IS-7510
TXN 102 11.04	KB-0211 cable for external I/O modules, 20 pin/20 pin, shielded – (faston 2.8), 1m
TXN 102 12.04	KB-0212 cable for external I/O modules, 20 pin/20 pin, unshielded 1m
TXN 102 13.04	KB-0213 cable for external I/O modules, 20 pin/ free end, shielded-(faston 2.8), 1m