

Extension Device for MIREL Systems

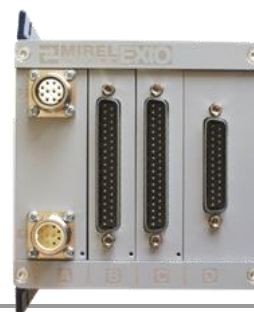
EXIO Type

Illustration picture

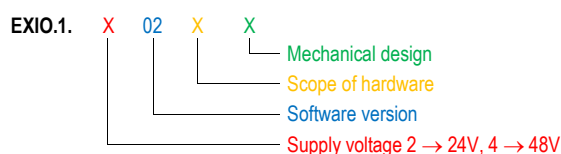
EXIO presents a device which extends the system functionality of MIREL product series. The device communicates with master system via serial line RS485 or CAN.

The EXIO device extends MIREL systems by binary inputs and outputs as well as analogue inputs and outputs. With respect to modular design, it is possible to create a hardware configuration according to extended device requirements.

A direct control of EXIO is not necessary. With the exception of functional test execution, the device is maintenance-free.



Nomenclature



Modifications – mechanical design

Designation	Dimensions W x H x D [mm]	Design system	Protection rating	Maximum weight [kg]	Installation
P	130x105x254	BOXTUG	IP40	1,8	right
L	130x105x254	BOXTUG	IP40	1,8	left
U	132x129x252	BOXKOG	IP40	1,95	-

Modifications – scope of hardware

Designation	Ext. lines RS485	Ext. lines CAN	Binary inputs separated	Binary inputs common	Binary outputs separated [V]	Binary outputs common [V]	Analogue current inputs [mA]
D	2	0	16	24	0	0	4 x 0-20
G	1	1	16	0	0	0	4 x 0-20
J	1	0	0	16	0	0	0
K	1	0	0	12	0	6	0
E	1	0	0	36	0	18	0
F	1	0	0	24	8	0	0
H	1	0	0	24	8	12	0

Modifications

Designation	Supply voltage [VDC]	Software equipment	Control of input/output modules ¹⁾	Construction system
EXIO.1.202DP	24	02	direct	BOXTUG
EXIO.1.202DL	24	02	direct	BOXTUG
EXIO.1.202GP	24	02	direct	BOXTUG
EXIO.1.202GL	24	02	direct	BOXTUG
EXIO.1.202JP	24	02	indirect	BOXTUG
EXIO.1.202JL	24	02	indirect	BOXTUG
EXIO.1.202KP	24	02	indirect	BOXTUG
EXIO.1.202KL	24	02	indirect	BOXTUG
EXIO.1.402EP	48	02	direct	BOXTUG

EXIO.1.402EL	48	02	direct	BOXTUG
EXIO.1.402FP	48	02	direct	BOXTUG
EXIO.1.402FL	48	02	direct	BOXTUG
EXIO.1.402HP	48	02	direct	BOXTUG
EXIO.1.402HL	48	02	direct	BOXTUG

¹⁾ the difference in the module control is provided in document 1729M

Modifications prepared for new applications

Designation	Supply voltage [VDC]	Software equipment	Control of input/output modules ¹⁾	Construction system
EXIO.1.202DU	24	02	direct	BOXKOG
EXIO.1.202GU	24	02	direct	BOXKOG
EXIO.1.202JU	24	02	indirect	BOXKOG

¹⁾ the difference in the module control is provided in document 1729M

Specifications

Number	Version	Title
1729M	180924	EXIO Conditions of Use
1068M	170516	BOXTUG Installation conditions
2468M	180604	BOXKOG Installation conditions

Usage

MIREL RM1 – Registration speed meter

MIREL RM2 – The integrated on-board system

MIREL RS361 – Control system

MIREL RS363 – Control system

MIREL RS812 – Control system

MIREL RS813 – Control system