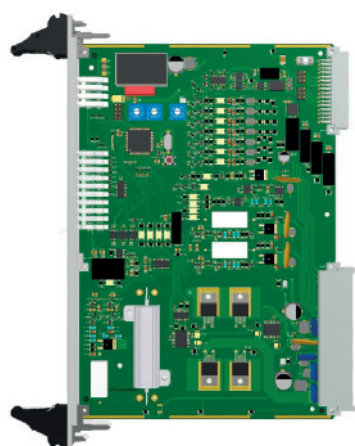# RM

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X3 CARDS

LEVEL CROSSING PROTECTION

X3-IO1

X3-IO1 is designed to control and monitor the status of a 24V DC barrier drive. The card processes signals from and to the processor via two channels. The card supports hot-swap capability.
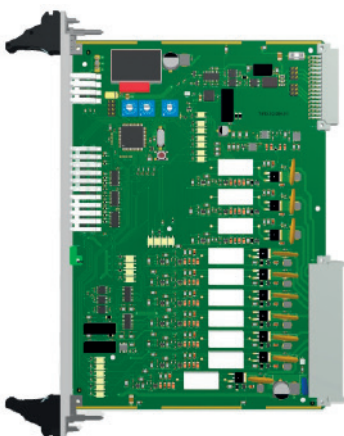
Front panel width 6TE.

Basic parameters:
- Power supply — 24V DC ±20% / 150mA
- CAN — 1 x CAN max 1Mb/s
- Outputs / Inputs — 1 digital output power from PWM 10A / 24V
  3 digital outputs 1A / 24V
  7 digital inputs 10mA / 24V

Connector interfaces on the front panel:
- LEDs — Logic power supply and life indicator
  Outputs and inputs status

HOT-SWAP
made in POLAND

X3-IO2

The X3-IO2 universal output card is designed for device control and continuity of external system circuits monitoring. Current measurement is performed separately on each output via the diagnostic system. The card allows you to test the continuity of the circuit on each output. The card supports hot-swap capability. Especially useful in harsh industrial environments.
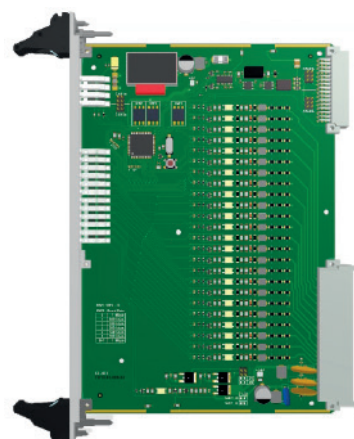
Front panel width 6TE.

Basic parameters:
- Power supply — 24V DC ±20% / 190mA
- CAN — 1 x CAN max 1Mb/s
- Outputs — 10 x 24V DC / 1.2A

Connector interfaces on the front panel:
- LEDs — Logic power supply and life indicator
  Outputs status

HOT-SWAP
made in POLAND

X3-IO3

The X3-IO3 universal input card is designed to collect device status, signal from relay contacts, optical isolation or other forms of signal distribution. It has 24 digital two-state inputs. Inputs are divided into 2 groups of 12 inputs. The card processes signals from the inputs and makes them available to the processor. Each of the inputs is optically isolated. The external contact test takes place with a signal variable over time. The card supports hot-swap capability. Especially useful in harsh industrial environments.

Front panel width 6TE.

Basic parameters:
- Power supply — 24V DC ±20% / 80mA
- CAN — 1 x CAN max 1Mb/s
- Inputs — 24 x 24V DC / 15mA

Connector interfaces on the front panel:
- LEDs — Logic power supply and life indicator
  Inputs status

HOT-SWAP
made in POLAND

X3-IO6

The X3-IO6 universal output card is designed to control external devices. It has 24 optically isolated digital two-state inputs. The card processes signals from the processor and controls the corresponding output. Output circuits work with 24V DC, with a maximum continuous load of up to 300mA. Total object current for the whole card can not exceed 6A. The card supports hot-swap capability. Especially useful in harsh industrial environments.
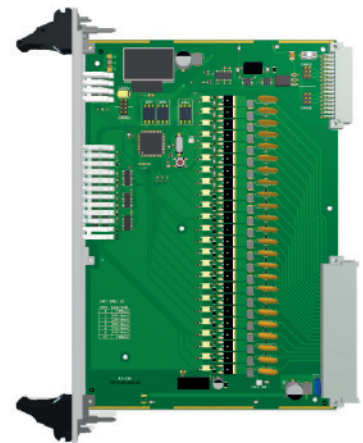
Front panel width 6TE.

Basic parameters:
- Power supply   24V DC ±20% / 130mA
- CAN   1 x CAN max 1Mb/s
- Outputs   24 x 24V DC / 300mA

Connector interfaces on the front panel:
- LEDs   Logic power supply and life indicator
                        Outputs status

HOT-SWAP
made in POLAND

X3-TOP

X3-TOP is designed to control the warning shield. Each TOP warning shield is individually controlled by the X3-TOP card. The card processes signals from and to the processor via two channels. The card has two independent hardware processing channels: Channel A and Channel B. The X3-TOP card supports hot-swap capability.
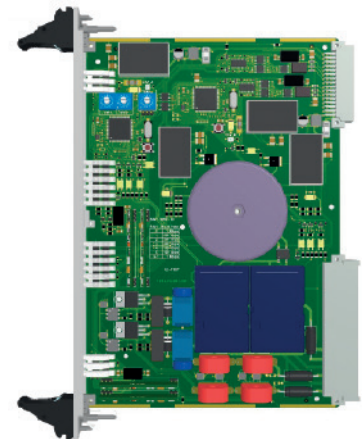
Front panel width 6TE.

Basic parameters:
- Power supply   24V DC ±20% / 150mA
- CAN   2 x CAN max 1Mb/s
- Output circuit   2 outputs max 0.99A / 145V AC
                        with current measurement in object circuit

Connector interfaces on the front panel:
- LEDs   Logic power supply and life indicator
                        Outputs status

HOT-SWAP
made in POLAND

X3-INT

X3-INT is designed as an interface for station traffic control devices. The internal connection system allows the construction of relay interfaces to other systems, does not measure the current in the executive circuits. The card processes signals from and to the processor via two channels. The card supports hot-swap capability.

Front panel width 6TE.

Basic parameters:
- Power supply   24V DC ±20% / 150mA
- CAN   2 x CAN max 1Mb/s
- Output circuit   2 separated changeover contacts
    – Typical 120mA / 24V DC current
    – Maximum current 2A
    – Typical operating voltage 24V DC
    – Maximum operating voltage 250V AC / DC

Connector interfaces on the front panel:
- LEDs   Logic power supply and life indicator
                        Outputs status

HOT-SWAP
made in POLAND
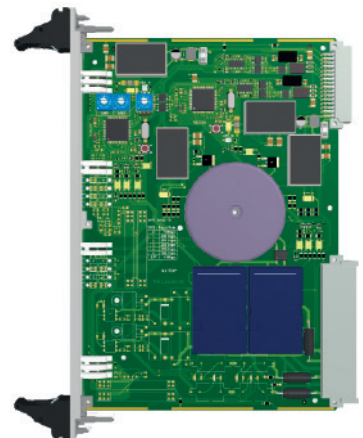
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