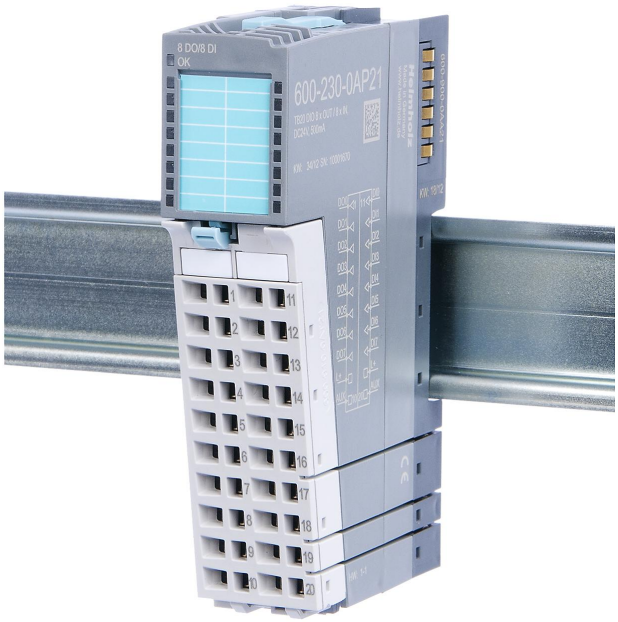
600-230-0AP21



Digital-mix-module, In & Out, DC 24 V
8x DI / 8x DO

- 24 V DC input voltage
- Can accommodate 2-wire proximity sensors
- 24 V DC output voltage
- 500 mA output current per channel
- A blue LED indicates the module's operating status
- Green LEDs (one for each output) indicate the output status
- 8 inputs, electrically isolated from the backplane bus
- 8 outputs, electrically isolated from the backplane bus

Info

Digital mix modules (inputs and outputs) for the modular fieldbus IO system TB20. Note: Individual modules cannot be combined with IO systems from other manufacturers.

The scope of delivery already includes the appropriate front connector for the cabling and a base module. The module has 8 digital inputs and outputs.

Technical data

General information	
Order number	600-230-0AP21
Article name	DIO 8x In/8x Out DC 24 V, 500 mA
Scope of delivery	DIO 8x In/8x Out DC 24 V, 500 mA
Dimensions (DxWxH)	110 x 25 x 73 mm
Number of inputs	8
Number of outputs	8
Input characteristic curve	Type 2, EN 61131-2
Reverse polarity protection for inputs	Yes
Output short-circuit protection	Electronic, for each individual channel
Inductive cutoff voltage limit	-48 V
Hot-swap capable	Yes
Input voltage	
For signal "0"	- 3 V ... 9 V
For signal "1"	12 V ... 30 V
Electrical isolation	
from the backplane bus	Yes
Between the channels	No
Supply voltage UP, US	
Rated value	24 V DC
Ripple USS	max. 3.6 V
Permissible range (with ripple)	20 ... 30 V
Voltage for t < 10 ms	50 V
Output current	
Rated value	500 mA
Leakage current	Max. 0.5 mA
Current draw	
External	500 mA
Internal	Max. 0.5 mA
Ambient conditions	
Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-20 °C ... +80 °C
Relative air humidity	95 % r H without condensation
Protection rating	IP 20
Certifications	CE, UL
UL	
Surrounding Air Temperature	0 °C ... +60°C
Pollution degree	2
CE	
Noise immunity	DIN EN 61000-6-2 "EMC Immunity"
Interference emission	DIN EN 61000-6-4 "EMC Emission"
Vibration and shock resistance	DIN EN 60068-2-6:2008 „Vibration", DIN EN 60068-2-27:2010 „Shock"