



## DIO, DC 24 V, 500 mA

DIO 4x In/4x Out DC 24 V, 500 mA

- 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
- 4 inputs, electrically isolated from the backplane bus
- 4 outputs, electrically isolated from the backplane bus

### Technical specifications

General information	
Order number	600-230-0AH01
Article name	DIO 4x In/4 x Out DC 24 V, 500 mA
Scope of delivery	DIO 4x In/4 x Out DC 24 V, 500 mA
Dimensions (DxWxH)	110 x 14 x 73 mm
Weight	Approx. 70 g
<b>Number of inputs</b>	4
<b>Input characteristic curve</b>	Type 2, EN 61131-2
<b>Reverse polarity protection for inputs</b>	Yes
<b>Input voltage</b>	
For signal "0"	- 3 V ... 9 V
For signal "1"	12 V ... 30 V
<b>Number of outputs</b>	4
<b>Electrical isolation</b>	
from the backplane bus	Yes
Between the channels	No
<b>Supply voltage <math>U_p</math>, <math>U_s</math></b>	
Rated value	24 V DC
Ripple $U_{SS}$	max. 3.6 V
Permissible range (with ripple)	20 ... 30 V
Voltage for $t < 10$ ms	50 V
<b>Output current</b>	
Rated value	500 mA
Leakage current	Max. 0.5 mA
<b>Output short-circuit protection</b>	Electronic, for each individual channel

<b>Inductive cutoff voltage limit</b>	-48 V
<b>Current draw</b>	
External	Max. 20 mA + load
Internal	Max. 28 mA
<b>Hot-swap capable</b>	Yes
<b>Ambient conditions</b>	
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
<b>UL</b>	
Surrounding Air Temperature	0 °C ... +60 °C
Pollution degree	2
<b>CE</b>	
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“
RoHS	Yes
REACH	Yes