600-220-7AP21



Digital-output-module, DC 24 V, 700mA, HF 16x

- 24 V DC output voltage
- 700 mA output current per channel
- A blue LED indicates the module's operating status
- Green/red LEDs indicate the output status
- 24 V load voltage monitoring and diagnosis
- Short circuit to GND monitoring and diagnosis for each individual channel
- Channel status information in input image table
- Pulse extension 5 ms ... 1275 ms
- Overtemperature detection
- 16 outputs, electrically isolated from the backplane bus

Info

Digital output modules 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 16 high-feature digital outputs with an output power of up to 700mA. The status display of the outputs is signalized on the module via green and red LEDs.There is also monitoring and diagnostics of the 24 V load voltage, excess temperature and short-circuit monitoring to ground for each channel.Channel status information can be read into the PLC via the input image.

Technical data

General information	
Order number	600-220-7AP21
Article name	DO 16 x 24 VDC, 700 mA, Highfeature
Scope of delivery	DO 16 x 24 VDC, 700 mA, Highfeature
Dimensions (DxWxH)	110 x 25 x 73 mm
Weight	Approx. 110 g
Number of outputs	16
Power dissipation	Max. 2.5 W
Output short-circuit protection	Electronic, for each individual channel, diagnosis
Inductive cutoff voltage limit	-48 V
Hot-swap capable	Yes
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	700 mA
Leakage current	Max. 0.5 mA
Current draw	
External	max. 80 mA + Load
Internal	max. 40 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"