



## DO, DC 24 V, 700 mA, Highfeature

DO 16 x DC 24 V, 700 mA, Highfeature

- 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

### Channel LED signals

Off Output off Solid green light    Output on Solid red light 24 V load voltage (L+) missing Flashing red light Short circuit to GND detected

### Technical specifications

<b>General information</b>	
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
<b>Number of outputs</b>	16
<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	700 mA
Leakage current	Max. 0.5 mA
<b>Current draw</b>	
External	max. 80 mA + Load
Internal	max. 40 mA
<b>Power dissipation</b>	Max. 2.5 W
<b>Output short-circuit protection</b>	Electronic, for each individual channel, diagnosis

<b>Inductive cutoff voltage limit</b>	-48 V
<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