600-300-1AD01



Counter Economy, 24V, 32 bit, 1 kHz

4x

- 4 counters
- Count depth 32 bit (sign-allocated ± 231)
- Up to 1 kHz counting frequency per counter
- 24 V voltage supply for counter
- 9 bytes of input data (count and status)
- 10 bytes of output data (preset count and control functions)

Info

Counters are used to detect pulses that are faster than a controller’s cycles, i.e., signals that the controller will be unable to detect properly and that therefore need to be pre-processed.

The counter module records the edges of 24 V signals as pulses. The pulses are counted and the current count value is always available to the PLC.The counting function can be enabled by PLC control commands.The counter value can be preassigned or reset by the PLC PLC control functions counter releaseReset countLoad counter valueChange counting direction Note: Individual modules cannot be combined with IO systems from other manufacturers.

Technical data

General information	
Order number	600-300-1AD01
Article name	4x Counter Economy 24 V, 1 KHz, 32 bit
Scope of delivery	4x Counter Economy 24 V, 1 KHz, 32 bit
Dimensions (DxWxH)	110 x 14 x 73 mm
Weight	Approx. 70 g
Input voltage	24 V DC
Power dissipation	Max. 0.95 W
Input characteristic curve	Type 2, EN 61131-2
Number of counters	4
Counter bit depth	32 bit, sign allocated +/- 231
Counting frequency per channel	Max. 1 kHz, 1x evaluation, rising edges
Counter functions	Forwards/backwards, Load count, Reset count
Hot-swap capable	Yes
Electrical isolation	
from the backplane bus	Yes
Between the channels	No
Current draw	
External	Max. 0 mA
Internal	Max. 22 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"