



## Data sheet

### IM 253CAN, CANopen slave (253-1CA01)

#### Technical data

<b>Order no.</b>	<b>253-1CA01</b>
Type	IM 253CAN, CANopen slave
<b>General information</b>	
Note	-
Features	CANopen slave 10 Rx and 10 Tx PDO 2 SDOs PDO linking PDO mapping
<b>Technical data power supply</b>	
Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	
Current consumption (no-load operation)	50 mA
Current consumption (rated value)	800 mA
Inrush current	65 A
I <sup>2</sup> t	0.85 A <sup>2</sup> s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2 W
<b>Status information, alarms, diagnostics</b>	
Status display	yes
Interrupts	yes, parameterizable
Process alarm	no
Diagnostic interrupt	yes, parameterizable
Diagnostic functions	yes, parameterizable
Diagnostics information read-out	possible
Supply voltage display	yes
Service Indicator	-
Group error display	yes
Channel error display	none
<b>Hardware configuration</b>	
Racks, max.	1
Modules per rack, max.	32
Number of digital modules, max.	32
Number of analog modules, max.	16
<b>Communication</b>	
Fieldbus	CANopen
Type of interface	CAN
Connector	Sub-D, 9-pin, male
Topology	Linear bus with bus termination at both ends

Electrically isolated	
Number of participants, max.	127
Node addresses	1 - 99
Transmission speed, min.	10 kbit/s
Transmission speed, max.	1 Mbit/s
Address range inputs, max.	80 Byte
Address range outputs, max.	80 Byte
Number of TxPDOs, max.	10
Number of RxPDOs, max.	10

### Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

### Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 78 mm
Weight	100 g

### Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

### Certifications

UL508 certification	yes
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