

Data sheet

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

Technical data

Order no.	253-1CA01
Type	IM 253CAN, CANopen slave

General information

Note	-
Features	DC 24 V 1 Mbit/s Up to 32 modules 10 Rx and 10 Tx PDO 2x SDOs PDO linking, PDO mapping

Technical data power supply

Power supply (rated value)	DC 24 V
Power supply (permitted range)	DC 20.4...28.8 V
Reverse polarity protection	yes
Current consumption (no-load operation)	50 mA
Current consumption (rated value)	800 mA
Inrush current	65 A
I^2t	0.85 A ² s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2 W

Status information, alarms, diagnostics

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

Hardware configuration

Racks, max.	1
Modules per rack, max.	32
Number of digital modules, max.	32
Number of analog modules, max.	16

Communication

Fieldbus	CANopen
Type of interface	CAN
Connector	Sub-D, 9-pin, male
Topology	Linear bus with bus termination at both ends
Electrically isolated	yes

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
Net weight	100 g
Weight including accessories	-
Gross weight	-

Environmental conditions

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

Certifications

UL certification	yes
KC certification	-