

**Data sheet**

IM 253CAN, CANopen slave (253-1CA30)

## Technical data

<b>Order no.</b>	<b>253-1CA30</b>
Type	IM 253CAN, CANopen slave

**General information**

Note	-
Features	CANopen slave 10 Rx and 10 Tx PDO 2 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)	300 mA
Inrush current	60 A
$I^2t$	0.4 A <sup>2</sup> s
Max. current drain at backplane bus	0.8 A
Max. current drain load supply	-
Power loss	1.5 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.	8
Number of digital modules, max.	8
Number of analog modules, max.	8

**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	90 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	-