

**Data sheet**  
**IM 053CAN (053-1CA00)**
**Technical data**

<b>Order no.</b>	<b>053-1CA00</b>
Type	IM 053CAN
Module ID	-
<b>General information</b>	
Note	-
Features	16x Rx and 16x Tx PDOs 2x SDOs PDO-Linking PDO-Mapping: fix Up to 64 peripheral modules
<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	yes
Current consumption (no-load operation)	90 mA
Current consumption (rated value)	0.95 A
Inrush current	3.9 A
$I^2t$	0.14 A <sup>2</sup> s
Max. current drain at backplane bus	3 A
Max. current drain load supply	10 A
Power loss	3 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	green LED
Service Indicator	-
Group error display	red LED
Channel error display	none
<b>Hardware configuration</b>	
Racks, max.	1
Modules per rack, max.	64
Number of digital modules, max.	64
Number of analog modules, max.	64
<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	yes

Number of participants, max.	127
Node addresses	1 - 127
Transmission speed, min.	10 kbit/s
Transmission speed, max.	1 Mbit/s
Address range inputs, max.	128 Byte
Address range outputs, max.	128 Byte
Number of TxPDOs, max.	16
Number of RxPDOs, max.	16

#### Functionality MECHATROLINK-III slave

Supported profile	-
Supported transfer cycle	-
Cyclic data size per node	-
Max. Number of nodes	-
Supported communication method	-
Supported command "Cyclic"	-
Supported command "Event driven"	-
Supported command "Message"	-

#### Datasizes

Input bytes	-
Output bytes	-
Parameter bytes	-
Diagnostic bytes	-

#### Housing

Material	PPE / PPE GF10
Mounting	Profile rail 35 mm

#### Mechanical data

Dimensions (WxHxD)	48.5 mm x 109 mm x 76.5 mm
Net weight	162.5 g
Weight including accessories	162.5 g
Gross weight	180 g

#### Environmental conditions

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

#### Certifications

UL certification	yes
KC certification	yes