

Data sheet
IM 053DN (053-1DN00)
Technical data

Order no.	053-1DN00
Type	IM 053DN
Module ID	-
General information	
Note	-
Features	Group 2 only Device Poll only Device Baud rate: 125, 250 and 500 Kbit/s Up to 64 peripheral modules
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)	90 mA
Current consumption (rated value)	0.95 A
Inrush current	3.9 A
I^2t	0.14 A ² s
Max. current drain at backplane bus	3 A
Max. current drain load supply	10 A
Power loss	3 W
Status information, alarms, diagnostics	
Status display	yes
Interrupts	-
Process alarm	-
Diagnostic interrupt	-
Diagnostic functions	-
Diagnostics information read-out	possible
Supply voltage display	green LED
Service Indicator	-
Group error display	red SF LED
Channel error display	none
Hardware configuration	
Racks, max.	1
Modules per rack, max.	64
Number of digital modules, max.	64
Number of analog modules, max.	64
Communication	
Fieldbus	DeviceNet
Type of interface	CAN
Connector	5-pin Open Style Connector
Topology	Linear bus with bus termination at both ends
Electrically isolated	yes

Number of participants, max.	64
Node addresses	0 - 63
Transmission speed, min.	125 kbit/s
Transmission speed, max.	500 kbit/s
Address range inputs, max.	256 Byte
Address range outputs, max.	256 Byte
Number of TxPDOs, max.	-
Number of RxPDOs, max.	-

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	152.5 g
Weight including accessories	160 g
Gross weight	177.5 g

Environmental conditions

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

Certifications

UL certification	yes
KC certification	yes