

Data sheet
IM 053MT (053-1MT00)
Technical data

Order no.	053-1MT00
Type	IM 053MT
Module ID	-
General information	
Note	-
Features	Configuration about the integrated web server Integrated DC 24V power supply for power and electronic section supply of the periphery modules 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)	95 mA
Current consumption (rated value)	0.95 A
Inrush current	3.9 A
I ² t	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	yes, parameterizable
Process alarm	yes, parameterizable
Diagnostic interrupt	yes, parameterizable
Diagnostic functions	yes, parameterizable
Diagnostics information read-out	possible
Supply voltage display	green LED
Service Indicator	yellow LED
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	Modbus / TCP/IP
Type of interface	Ethernet 10/100 MBit
Connector	RJ45
Topology	-
Electrically isolated	yes

Number of participants, max.	-
Node addresses	-
Transmission speed, min.	10 Mbit/s
Transmission speed, max.	100 Mbit/s
Address range inputs, max.	1 KB
Address range outputs, max.	1 KB
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	150 g
Weight including accessories	150 g
Gross weight	167.5 g

Environmental conditions

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

Certifications

UL certification	yes
KC certification	yes