

Data sheet

IM 353DP (353-1DP01)

Technical data

Order no.	353-1DP01
Type	IM 353DP

General information

Note	-
Features	PROFIBUS-DP slave (DP-V0, DP-V1) For max. 29 peripheral modules (16 analog) 244 Byte input and 244 Byte output data Integrated DC 24 V power supply
SPEED-Bus	-

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)	70 mA
Current consumption (rated value)	1 A
Inrush current	60 A
$I_{\Delta t}$	0.45 A ² s
Max. current drain at backplane bus	3.5 A
Max. current drain load supply	-
Power loss	2.5 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	-
Group error display	red LED
Channel error display	none

Hardware configuration

Racks, max.	1
Modules per rack, max.	29
Number of digital modules, max.	29
Number of analog modules, max.	16

Communication

Fieldbus	PROFIBUS-DP to EN 50170
Type of interface	RS485
Connector	Sub-D, 9-pin, female
Topology	Linear bus with bus termination at both ends

Electrically isolated	yes
Number of participants, max.	125
Node addresses	1 - 99
Transmission speed, min.	9.6 kbit/s
Transmission speed, max.	12 Mbit/s
Address range inputs, max.	244 Byte
Address range outputs, max.	244 Byte
Number of TxPDOs, max.	-
Number of RxPDOs, max.	-

Housing

Material	PPE
Mounting	Rail System 300

Mechanical data

Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Weight	170 g

Environmental conditions

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

Certifications

UL certification	yes
KC certification	yes