

SIMATIC DP, IM153-2 INTERFACE FOR EXPANDED
TEMPERATURE RANGE IM153-2 COUPLER MOD. DP/PA LINK
THE IM153 AND ONE OR MORE DP/PA COUPLERS FORM THE
DP/PA LINK DPV1.SLAVE (SUBSTITUTE FOR IM 157)

Supply voltage	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Overvoltage protection	Yes
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, typ.	400 mA
Current consumption, max.	480 mA
Power loss	
Power loss, typ.	4 W
Interfaces	
PROFIBUS DP	
• Transmission rate, max.	12 Mbit/s
• Connector type	9-pin sub D
Properties of the lower-level DP master system	
— Transmission rate, max.	12 Mbit/s
— Number of DP slaves, max.	64
PROFIBUS PA	
• Transmission rate, max.	31.25 kbit/s; User view
• Number of connectable PA field devices	64
Protocols	
PROFIBUS DP	Yes
PROFIBUS PA	Yes; via coupler
AS-Interface	No
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostic functions	Yes
Diagnostics indication LED	
• Bus activity DP (yellow)	Yes

- Bus activity PA (yellow)
- Bus fault BF (red)
- Group error SF (red)
- Monitoring 24 V voltage supply ON (green)

Yes
Yes
Yes
Yes

Isolation

Isolation tested with 500 V AC

Degree and class of protection

Degree of protection acc. to EN 60529

- IP20

Yes

Ambient conditions

Ambient temperature during operation

- min.

-25 °C

- max.

60 °C

Ambient temperature during storage/transportation

- min.

-40 °C

- max.

70 °C

Relative humidity

- Operation, max.

95 %

Dimensions

Width 40 mm

Height 125 mm

Depth 117 mm

Weights

Weight, approx. 350 g

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