

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
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Interfaces

PROFIBUS DP	
• Transmission rate, max.	12 Mbit/s
• Design of electrical connection of PROFIBUS interface	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
Diagnostics function	Yes
Diagnostics indication LED	

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