

SIMATIC DP, Connection ET 200M IM 153-4 PN IO for max. 12 S7-300 modules, extended functions: Isochronous real-time Communication Class 1 and 2, module replacement without PG operation without MMC, maintenance Support of new IO modules



Figure similar

General information	
Product type designation	IM 153-4 PN ST
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	In a construction with grounded reference potential, a fuse is necessary for redundant interface modules (Recommendation: 2.5 A)
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, max.	600 mA; with 24 V DC supply
Inrush current, typ.	4 A
$I^2t$	0.09 A <sup>2</sup> ·s

<b>Output voltage</b>	
Rated value (DC)	5 V
<b>Output current</b>	
for backplane bus (5 V DC), max.	1.5 A
<b>Power loss</b>	
Power loss, typ.	6 W
<b>Address area</b>	
Addressing volume	
• Inputs	192 byte
• Outputs	192 byte
<b>Hardware configuration</b>	
Number of modules per DP slave interface, max.	12
<b>Protocols</b>	
Bus protocol/transmission protocol	PROFINET IO
Protocols (Ethernet)	
• TCP/IP	No
Redundancy mode	
• PROFINET system redundancy (S2)	No
Media redundancy	
— MRP	Yes
<b>Interrupts/diagnostics/status information</b>	
Diagnostics indication LED	
• LINK LED	Yes; green LED
• RX/TX LED	Yes; Yellow LED
• for module diagnostics	Yes
<b>Potential separation</b>	
Potential separation exists	Yes
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Degree and class of protection</b>	
IP degree of protection	IP20
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	2 000 m
<b>Dimensions</b>	

Width	40 mm
Height	125 mm
Depth	118 mm

### Weights

Weight, approx.	215 g
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**last modified:** 05/13/2020