



Figure similar

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

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	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	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
output voltage / header	
Rated value (DC)	5 V
Output current	
for backplane bus (5 V DC), max.	1.5 A
Power loss	
Power loss, typ.	6 W
Address area	
Addressing volume	
<ul style="list-style-type: none"> <li>Inputs</li> <li>Outputs</li> </ul>	192 byte
	192 byte
Hardware configuration	
Number of modules per DP slave interface, max.	12
Protocols	
Bus protocol/transmission protocol	PROFINET IO
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>TCP/IP</li> </ul>	No
Redundancy mode	
<ul style="list-style-type: none"> <li>PROFINET system redundancy (S2)</li> </ul>	No
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>LINK LED</li> </ul>	Yes; green LED

- RX/TX LED
- for module diagnostics

Yes; Yellow LED  
Yes

#### Potential separation

Potential separation exists Yes

#### Isolation

Isolation tested with 500 V DC

#### Degree and class of protection

IP degree of protection IP20

#### Ambient conditions

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

#### Dimensions

Width 40 mm

Height 125 mm

Depth 118 mm

#### Weights

Weight, approx. 215 g

last modified: 8/20/2023 