



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> </ul>	192 byte
<ul style="list-style-type: none"> <li>Outputs</li> </ul>	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

<ul style="list-style-type: none"> <li>• RX/TX LED</li> <li>• for module diagnostics</li> </ul>	Yes; Yellow LED 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	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	0 °C 60 °C
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> <li>• Installation altitude above sea level, max.</li> </ul>	2 000 m
<b>Dimensions</b>	
Width	40 mm
Height	125 mm
Depth	118 mm
<b>Weights</b>	
Weight, approx.	215 g
<b>last modified:</b>	3/2/2021 