

SIMATIC DP, ET 200M INTERFACE IM 153-4 PN IO HIGH
FEATURE FOR MAX. 12 S7-300 MODULES, SUPPORTS FAIL
SAFE MODULES, HART MODULES SHARED DEVICE, MEDIUM
REDUNDANCY PROTOCOL



General information	
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
Rated value (DC)	24 V
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
permissible range (ripple included), lower limit (DC)	18.5 V
permissible range (ripple included), upper limit (DC)	30.2 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 ² ·s
Output voltage	
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	
• Inputs	672 byte; Extended HART user data
• Outputs	192 byte
Hardware configuration	
Number of modules per DP slave interface, max.	12
1. Interface	
PROFINET IO Controller	
Services	
— PROFINET system redundancy	Yes
Protocols	
Bus protocol/transmission protocol	PROFINET IO
Interrupts/diagnostics/status information	
Diagnostics indication LED	
• Connection to network LINK (green)	Yes
• Transmit/receive RX/TX (yellow)	Yes
Isolation	
Isolation tested with	Between PROFINET and 24 V supply: 1 500 V AC, between functional grounding and 24 V supply: 500 V DC
Degree and class of protection	
Degree of protection acc. to EN 60529	
• IP20	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Air pressure acc. to IEC 60068-2-13	
• Installation altitude above sea level, max.	2 000 m
Dimensions	
Width	40 mm
Height	125 mm

Depth	118 mm
Weights	
Weight, approx.	215 g
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