SIEMENS

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 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 supply cables (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
Inrush current, typ.	4 A
I²t	0.09 A²·s

Output voltage	
Rated value (DC)	5 V

Output current	
for backplane bus (5 V DC), max.	1.5 A

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Power losses	
Power loss, typ.	6 W; Typical

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
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 checked with	Between PROFINET and 24V supply: 1500V AC, between functional grounding and 24V supply: 500V DC

Degree and class of protection	
Degree of protection to EN 60529	
• IP20	Yes

Ambient conditions	
Ambient temperature in operation	
• Min.	0 °C
• max.	60 °C
Air pressure acc. to IEC 60068-2-13	
• Operating 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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