



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

<b>Vendor identification (VendorID)</b>	002AH
<b>Device identifier (DeviceID)</b>	0302H

## Supply voltage

<b>24 V DC</b>	Yes
<b>permissible range, lower limit (DC)</b>	20.4 V
<b>permissible range, upper limit (DC)</b>	28.8 V
<b>permissible range (ripple included), lower limit (DC)</b>	18.5 V
<b>permissible range (ripple included), upper limit (DC)</b>	30.2 V
<b>External protection for supply cables (recommendation)</b>	In a construction with grounded reference potential, a fuse is necessary for redundant interface modules (Recommendation: 2.5 A)

## Mains buffering

<b>Mains/voltage failure stored energy time</b>	5 ms
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## Input current

<b>Current consumption, max.</b>	600 mA
<b>Inrush current, typ.</b>	4 A
<b>I<sup>2</sup>t</b>	0.09 A <sup>2</sup> ·s

## Output voltage

<b>Rated value (DC)</b>	5 V
<b>Rated value, 5 V DC</b>	Yes
<b>Output current</b>	
<b>for backplane bus (5 V DC), max.</b>	1.5 A
<b>Power losses</b>	
<b>Power loss, typ.</b>	6 W ; Typical
<b>Address area</b>	
<b>Addressing volume</b>	
<b>Inputs</b>	672 byte ; Extended HART user data
<b>Outputs</b>	192 byte
<b>Hardware configuration</b>	
<b>Number of modules per DP slave interface, max.</b>	12
<b>1st interface</b>	
<b>PROFINET IO Controller</b>	
<b>Services</b>	
<b>PROFINET system redundancy</b>	Yes
<b>Communication functions</b>	
<b>Bus protocol/transmission protocol</b>	PN IO
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
<b>Connection to network LINK (green)</b>	Yes
<b>Transmit/receive RX/TX (yellow)</b>	Yes
<b>Isolation</b>	
<b>Isolation checked with</b>	Between PROFINET and 24V supply: 1500V AC, between functional grounding and 24V supply: 500V DC
<b>Degree and class of protection</b>	
<b>IP20</b>	Yes
<b>Ambient conditions</b>	
<b>Operating temperature</b>	
<b>Min.</b>	0 °C
<b>max.</b>	60 °C
<b>Air pressure</b>	
<b>Operating altitude above sea level, max.</b>	2000 m
<b>Dimensions</b>	
<b>Width</b>	40 mm
<b>Height</b>	125 mm
<b>Depth</b>	118 mm
<b>Weights</b>	

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**Weight, approx.**

215 g

Status

Jun 5, 2014