



SIMATIC DP,  
 ET 200M INTERFACE IM 153-4 PN IO FOR MAX. 12 S7-  
 300 MODULES,  
 EXTENDED FUNCTIONS: ISOCHRONEOUS REALTIME  
 COMMUNICATION CLASS 1 AND 2,  
 MODULE EXCHANGE W/O PG,  
 OPERATION W/O MMC,  
 MAINTENANCE NEW IO MODULES ARE SUPPORTED

General information	
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
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)	20.4 V
permissible range (ripple included), upper limit (DC)	28.8 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
$I^2t$	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>	192 byte
<b>Outputs</b>	192 byte
<b>Hardware configuration</b>	
<b>Number of modules per DP slave interface, max.</b>	12
<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>	500 V 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>	
<b>Weight, approx.</b>	215 g ; approx.
Status	Jun 3, 2014