



Figure similar

SIPLUS ET200M IM 153-4 PN IO HF -40 ... +70 GRAD C START UP
TEMP -25 DGR C WITH CONFORMAL COATING BASED ON
6ES7153-4BA00-0XB0 . DP, ET 200M INTERFACE 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)	Yes
• 24 V DC	
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
Standards, approvals, certificates	
CE mark	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	-40 °C; = Tmin; Startup @ -25 °C
• max.	70 °C; = Tmax; Tmax > 60 °C output current for backplane bus (5 V DC) max. 0.9 A
Ambient temperature during storage/transportation	

• min.	-40 °C
• max.	70 °C
Extended ambient conditions	
• relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
• At cold restart, min.	-25 °C
Relative humidity	
— With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— against mechanically active substances / conformity with EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Dimensions	
Width	40 mm
Height	125 mm
Depth	118 mm
Weights	
Weight, approx.	215 g
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