

SIPLUS ET200M IM 153-4 PN IO -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7153-4AA01-0XB0 . 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



Figure similar

General information	
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
Rated value (DC)	Yes
• 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 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

Inrush current, typ.	4 A
$I^2t$	0.09 A <sup>2</sup> ·s
<b>Output voltage</b>	
Rated value (DC)	5 V
<b>Output current</b>	
for backplane bus (5 V DC), max.	1.5 A
<b>Power loss</b>	
Power loss, typ.	6 W
<b>Address area</b>	
Addressing volume	
• Inputs	192 byte
• Outputs	192 byte
<b>Hardware configuration</b>	
Number of modules per DP slave interface, max.	12
<b>Protocols</b>	
Bus protocol/transmission protocol	PROFINET IO
<b>Interrupts/diagnostics/status information</b>	
Diagnostics indication LED	
• Connection to network LINK (green)	Yes
• Transmit/receive RX/TX (yellow)	Yes
<b>Isolation</b>	
Isolation tested with	500 V DC
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	
• IP20	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UL approval	Yes; File E239877
FM approval	Yes; CofC 3028431
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	-25 °C; = Tmin
• max.	70 °C; = Tmax; 60 °C @ UL/cUL, ATEX and FM use
Ambient temperature during storage/transportation	
• min.	-40 °C

• max.	70 °C
<b>Extended ambient conditions</b>	
• 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)
<b>Relative humidity</b>	
— With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
<b>Resistance</b>	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— 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!
<b>Dimensions</b>	
Width	40 mm
Height	125 mm
Depth	118 mm
<b>Weights</b>	
Weight, approx.	215 g; approx.
<b>last modified:</b>	05/25/2017