

SIPLUS ET200S EM 8 DO DC24V/0.5 -25 ... +70 DEGREES C
BASED ON 6ES7132-4BF50-0AA0



Supply voltage

Reverse voltage protection	Yes; when using the same correctly polarized load voltage as on the power module
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Load voltage L+

• Rated value (DC)	24 V; From power module
• Reverse polarity protection	Yes

Input current

from load voltage L+ (without load), max.	5 mA
from backplane bus 3.3 V DC, max.	10 mA

Power loss

Power loss, typ.	1.5 W
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Address area

Address space per module	
• without packing	1 byte

Digital outputs

Number of digital outputs	8
Short-circuit protection	Yes

• Response threshold, typ.	1,5 A
Limitation of inductive shutdown voltage to	Typ. 47 V
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	5 W
Load resistance range	
• lower limit	48 Ω
• upper limit	3 400 Ω
Output voltage	
• for signal "1", min.	Max. 1 V
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range, min.	5 mA
• for signal "1" permissible range, max.	600 mA
• for signal "0" residual current, max.	5 μ A
Output delay with resistive load	
• "0" to "1", max.	300 μ s
• "1" to "0", max.	600 μ s
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes; per module
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	10 Hz
Total current of the outputs	
• Current per module, max.	4 A
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Isochronous mode	
Isochronous operation (application synchronized up to terminal)	Yes
Interrupts/diagnostics/status information	
Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Parameter	
Remark	3 byte
Potential separation	
Potential separation digital outputs	

- between the channels
- between the channels and backplane bus

No

Yes

Isolation

Isolation tested with

500 V DC

Ambient conditions

Ambient temperature during operation

- min.

-25 °C; = Tmin

- max.

70 °C; = Tmax

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)

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

15 mm

Height

81 mm

Depth

52 mm

Weights

Weight, approx.

40 g

last modified:

10/28/2016