

SIPLUS ET200S EM 8 DO -25 ... + 70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7132-4BF00-0AA0 . ELECTRONIC MODULE FOR ET 200S, 8 DO 24V/0.5A DC WIDTH: 15MM 1 PCS PER PACKAGING UNIT



Supply voltage	
Reverse voltage protection	Yes
Load voltage L+	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> Reverse polarity protection 	Yes
Input current	
from load voltage L+ (without load), max.	5 mA; Per channel
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.5 W
Address area	
Address space per module	
<ul style="list-style-type: none"> without packing 	1 byte
Digital outputs	
Number of digital outputs	8
Short-circuit protection	Yes
<ul style="list-style-type: none"> Response threshold, typ. 	1.5 A

Limitation of inductive shutdown voltage to	Typ. L+ (-55 to -60 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.	L+ (-1.0 V)
Output current	
• for signal "1" rated value	0.5 A
• for signal "1" permissible range, min.	7 mA
• for signal "1" permissible range, max.	600 mA
• for signal "0" residual current, max.	0.3 mA
Output delay with resistive load	
• "0" to "1", max.	300 μs
• "1" to "0", max.	600 μs
Parallel switching of two outputs	
• for uprating	No
• for redundant control of a load	Yes
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	2 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; jitter incumbered < 100us
Interrupts/diagnostics/status information	
Diagnostic functions	No
Diagnostics indication LED	
• Status indicator digital output (green)	Yes
Parameter	
Remark	3-byte parameter (not accessible for the user)
Potential separation	
Potential separation digital outputs	
• between the channels	No

- between the channels and backplane bus

Yes

Isolation

Isolation tested with 500 V DC

Ambient conditions

Ambient temperature during operation

- min. -40 °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); 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!

Dimensions

Width 15 mm

Height 81 mm

Depth 52 mm

Weights

Weight, approx. 40 g

last modified: 05/25/2017