



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+	
Rated value (DC)	24 V
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 losses	
Power loss, typ.	1.5 W
Address area	
Address space per module	
without packing	1 byte
Digital inputs	
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Digital outputs	

Number/binary outputs	8
Functionality/short-circuit strength	Yes ; Per channel
Response threshold, typ.	o.k.
Limitation of inductive shutdown voltage to	o.k.
Controlling a digital input	Yes
<b>Digital outputs / Switching capacity of the outputs</b>	
Lamp load, max.	5 W
<b>Load resistance range</b>	
lower limit	48 $\Omega$
upper limit	3400 $\Omega$
<b>Output voltage</b>	
for signal "1", min.	o.k.
<b>Output current</b>	
for signal "1" rated value	0.5 A
for signal "1" permissible range for 0 to 60 °C, min.	7 mA
for signal "1" permissible range for 0 to 60 °C, max.	600 mA
for signal "0" residual current, max.	0.3 mA
<b>Output delay with resistive load</b>	
"0" to "1", max.	300 $\mu$ s
"1" to "0", max.	600 $\mu$ s
<b>Parallel switching of 2 outputs</b>	
for increased power	No
for redundant control of a load	Yes
<b>Switching frequency</b>	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
<b>Aggregate current of outputs (per group)</b>	
all mounting positions	
up to 60 °C, max.	4 A
<b>Cable length</b>	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
<b>Isochronous mode</b>	
Isochronous operation (application synchronized up to terminal)	Yes ; jitter incumbered < 100us
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
Diagnostic functions	No

<b>Diagnostics indication LED</b>	
<b>Status indicator digital output (green)</b>	Yes
<b>Parameter</b>	
<b>Remark</b>	3-byte parameter (not accessible for the user)
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital outputs</b>	
<b>between the channels</b>	No
<b>between the channels and the backplane bus</b>	Yes
<b>Isolation</b>	
<b>Isolation checked with</b>	500 V DC
<b>Ambient conditions</b>	
<b>Extended ambient conditions</b>	
<b>Relative to ambient temperature-atmospheric pressure-installation altitude</b>	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>	
<b>With condensation/maximum/tested in accordance with IEC 60068-2-38</b>	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
<b>Resistance</b>	
<b>to biologically active substances / conformity with EN 60721-3-3</b>	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!
<b>to chemically active substances / conformity with EN 60721-3-3</b>	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!
<b>to mechanically active substances / conformity with EN 60721-3-3</b>	Yes ; Class 3S4 incl....g operation!
<b>Mechanical and climatic conditions during operation</b>	
<b>Climatic conditions in operation</b>	
<b>Temperature</b>	
<b>Min.</b>	-40 °C ; = Tmin
<b>max.</b>	70 °C ; = Tmax
<b>Dimensions</b>	
<b>Width</b>	15 mm
<b>Height</b>	81 mm
<b>Depth</b>	52 mm
<b>Weight</b>	
<b>Weight, approx.</b>	40 g
Status	Jul 22, 2013