

SIPLUS ET 200S EM 2RO 24 V DC-230 V AC/5 A -25...+70 °C  
 based on 6ES7132-4HB01-0AB0 5 units per packing unit . 5  
 electronic modules for ET 200S, 2 DO relay 24 V DC-230 V AC/5 A,  
 15 mm width, Substitute value output with LED SF (group fault)

### Supply voltage

Load voltage L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V; From power module
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	Yes

### Input current

from load voltage L+ (without load), max.	30 mA
from backplane bus 3.3 V DC, max.	10 mA

### Power loss

Power loss, typ.	0.6 W
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### Address area

Address space per module	
<ul style="list-style-type: none"> <li>with packing</li> </ul>	2 bit
<ul style="list-style-type: none"> <li>without packing</li> </ul>	1 byte

### Digital outputs

Number of digital outputs	2
Short-circuit protection	No
Limitation of inductive shutdown voltage to	No
Controlling a digital input	Yes

### Output current

<ul style="list-style-type: none"> <li>for signal "1" rated value</li> </ul>	5 A
<ul style="list-style-type: none"> <li>for signal "1" minimum load current</li> </ul>	8 mA

### Parallel switching of two outputs

<ul style="list-style-type: none"> <li>for uprating</li> </ul>	No
<ul style="list-style-type: none"> <li>for redundant control of a load</li> </ul>	No

### Switching frequency

<ul style="list-style-type: none"> <li>with resistive load, max.</li> </ul>	2 Hz
<ul style="list-style-type: none"> <li>with inductive load, max.</li> </ul>	0.5 Hz
<ul style="list-style-type: none"> <li>on lamp load, max.</li> </ul>	2 Hz

### Relay outputs

Switching capacity of contacts	
— Thermal continuous current, max.	5 A

### Cable length

- shielded, max. 1 000 m
- unshielded, max. 600 m

### Isochronous mode

Isochronous operation (application synchronized up to terminal) No

### Interrupts/diagnostics/status information

Diagnostic functions No

Substitute values connectable Yes; 0/1

#### Diagnostics indication LED

- Status indicator digital output (green) Yes

### Parameter

Remark 3 byte

Response to CPU/master STOP Substitute a value/keep last value

### Potential separation

#### Potential separation digital outputs

- between the channels Yes
- between the channels and backplane bus Yes
- Between the channels and load voltage L+ Yes

### Isolation

#### tested with

- Channels against backplane bus and load voltage L+ 1500 V AC
- Load voltage L+ against backplane bus 500 V DC

### Ambient conditions

#### Ambient temperature during operation

- min. -25 °C; = Tmin
- max. 70 °C; = Tmax

#### Altitude during operation relating to sea level

- Installation altitude above sea level, max. 2 000 m
- Ambient air temperature-barometric pressure-altitude Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 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

#### Use in stationary industrial systems

- to biologically active substances according to EN 60721-3-3 Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
- to chemically active substances according to EN 60721-3-3 Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); \*

— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust, *
<b>Use on ships/at sea</b>	
— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *
— to mechanically active substances according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust; *
<b>from supply voltage 1L+</b>	
— Note regarding classification of environmental conditions acc. to EN 60721	* The supplied plug covers must remain in place over the unused interfaces during operation!

<b>Dimensions</b>	
Width	15 mm
Height	81 mm
Depth	52 mm

<b>Weights</b>	
Weight, approx.	50 g
<b>last modified:</b>	05/18/2018