

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+

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

### Address area

#### Address space per module

- |                                  |        |
|----------------------------------|--------|
| • Address space per module, max. | 1 byte |
| • with packing                   | 2 bit  |

### Digital outputs

- |                           |        |
|---------------------------|--------|
| Type of digital output    | Relays |
| Number of digital outputs | 2      |
| Short-circuit protection  | No     |

Limitation of inductive shutdown voltage to	No
Controlling a digital input	Yes
<b>Output current</b>	
• for signal "1" rated value	5 A
• for signal "1" minimum load current	8 mA
<b>Parallel switching of two outputs</b>	
• for uprating	No
• for redundant control of a load	No
<b>Switching frequency</b>	
• with resistive load, max.	2 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	2 Hz
<b>Relay outputs</b>	
<b>Switching capacity of contacts</b>	
— Thermal continuous current, max.	5 A
<b>Cable length</b>	
• shielded, max.	1 000 m
• unshielded, max.	600 m
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	No
Substitute values connectable	Yes; 0/1
<b>Diagnostics indication LED</b>	
• Status indicator digital output (green)	Yes
<b>Parameter</b>	
Remark	3 byte
Response to CPU/master STOP	Substitute a value/keep last value
<b>Potential separation</b>	
<b>Potential separation digital outputs</b>	
• between the channels	Yes
• between the channels and backplane bus	Yes
• Between the channels and load voltage L+	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	-25 °C; = Tmin
• max.	70 °C; = Tmax
<b>Altitude during operation relating to sea level</b>	
• 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)
<b>Relative humidity</b>	

<ul style="list-style-type: none"> <li>• With condensation, tested in accordance with IEC 60068-2-38, max.</li> </ul>	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
<b>Resistance</b>	
<b>Use in stationary industrial systems</b>	
— 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>Usage in industrial process technology</b>	
— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)
<b>Remark</b>	
— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04	* 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>	05/13/2020