

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DO  
RELAY 24V DC - 230V AC/5A, 15 MM WIDTH FIRST-UP SIGNAL  
WITH LED SF (GROUP FAULT), 5 PIECES PER PACKAGING UNIT



| 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                    |                         |
| • with packing                              | 2 bit                   |
| • without packing                           | 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                                                               |                                                                                                                                                                                                         |
| • for signal "1" rated value                                                 | 5 A                                                                                                                                                                                                     |
| • for signal "1" minimum load current                                        | 8 mA                                                                                                                                                                                                    |
| Switching frequency                                                          |                                                                                                                                                                                                         |
| • with resistive load, max.                                                  | 2 Hz                                                                                                                                                                                                    |
| • with inductive load, max.                                                  | 0.5 Hz                                                                                                                                                                                                  |
| • on lamp load, max.                                                         | 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                                                                    |                                                                                                                                                                                                         |
| 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                                                           |                                                                                                                                                                                                         |
| 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) |

| Dimensions            |            |
|-----------------------|------------|
| Width                 | 15 mm      |
| Height                | 81 mm      |
| Depth                 | 52 mm      |
| Weights               |            |
| Weight, approx.       | 50 g       |
| <b>last modified:</b> | 08/12/2017 |