

SIMATIC DP, 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) 5 units per packing 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                    |                         |
| • Address space per module, max.            | 1 byte                  |
| • with packing                              | 2 bit                   |
| 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                       |                                                                                                                                                                                                                  |
| Diagnostics function                                            | 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                                              |                                                                                                                                                                                                                  |
| Altitude during operation relating to sea level                 |                                                                                                                                                                                                                  |
| • Ambient air temperature-barometric pressure-altitude          | Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |

| Dimensions            |            |
|-----------------------|------------|
| Width                 | 15 mm      |
| Height                | 81 mm      |
| Depth                 | 52 mm      |
| Weights               |            |
| Weight, approx.       | 50 g       |
| <b>last modified:</b> | 08/13/2019 |