



Figure similar

\*\*\* Spare part \*\*\* Electronics module for ET 200S, 8 DO 24 V DC/0.5 A, 15 mm width, 1 unit per packing 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 loss                                  |                                       |
| Power loss, typ.                            | 1.5 W                                 |
| Address area                                |                                       |
| Address space per module                    |                                       |
| • Address space per module, max.            | 1 byte                                |
| Digital outputs                             |                                       |
| Type of digital output                      | Source output (PNP, current-sourcing) |
| Number of digital outputs                   | 8                                     |
| Short-circuit protection                    | Yes                                   |
| • Response threshold, typ.                  | 1.5 A                                 |
| Limitation of inductive shutdown voltage to | Typ. L+ (-55 to -60 V)                |
| Controlling a digital input                 | Yes                                   |
| Switching capacity of the outputs           |                                       |
| • on lamp load, max.                        | 5 W                                   |
| Load resistance range                       |                                       |
| • lower limit                               | 48 Ω                                  |
| • upper limit                               | 3 400 Ω                               |
| Output voltage                              |                                       |
| • for signal "1", min.                      | L+ (-1.0 V)                           |
| Output current                              |                                       |
| • for signal "1" rated value                | 0.5 A                                 |
| • for signal "1" permissible range, min.    | 7 mA                                  |
| • for signal "1" permissible range, max.    | 600 mA                                |
| • for signal "0" residual current, max.     | 0.3 mA                                |
| Output delay with resistive load            |                                       |
| • "0" to "1", max.                          | 300 μs                                |
| • "1" to "0", max.                          | 600 μs                                |
| Parallel switching of two outputs           |                                       |
| • for uprating                              | No                                    |
| • for redundant control of a load           | Yes                                   |
| Switching frequency                         |                                       |

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| • with resistive load, max.               | 100 Hz                                                                                        |
| • with inductive load, max.               | 2 Hz                                                                                          |
| • on lamp load, max.                      | 10 Hz                                                                                         |
| Total current of the outputs              |                                                                                               |
| • Current per module, max.                | 4 A                                                                                           |
| Cable length                              |                                                                                               |
| • shielded, max.                          | 1 000 m                                                                                       |
| • unshielded, max.                        | 600 m                                                                                         |
| Interrupts/diagnostics/status information |                                                                                               |
| Diagnostics function                      | No                                                                                            |
| Diagnostics indication LED                |                                                                                               |
| • Status indicator digital output (green) | Yes                                                                                           |
| Parameter                                 |                                                                                               |
| Remark                                    | 3-byte parameter (not accessible for the user)                                                |
| Potential separation                      |                                                                                               |
| Potential separation digital outputs      |                                                                                               |
| • between the channels                    | No                                                                                            |
| • between the channels and backplane bus  | Yes                                                                                           |
| Isolation                                 |                                                                                               |
| Isolation tested with                     | 500 V DC                                                                                      |
| Dimensions                                |                                                                                               |
| Width                                     | 15 mm                                                                                         |
| Height                                    | 81 mm                                                                                         |
| Depth                                     | 52 mm                                                                                         |
| Weights                                   |                                                                                               |
| Weight, approx.                           | 40 g                                                                                          |
| last modified:                            | 5/22/2024  |