

| <b>Technical Information</b>                       |   |
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| Description  | Digital output module, 16 outputs, PNP, 24VDC   |
| Number of signal channels                          | 16  |
| Signal type  | PNP   |
| "ON" signal voltage                                | High resistance state   |
| "OFF" signal voltage                               | 24V DC  |
| Data size  | 2 Byte  |
| Line type  | 1-wire  |
| Reverse circuit protection                         | Yes   |
| Overcurrent protection                             | Yes   |
| Short circuit protection                           | Yes   |
| Isolation method                                   | Optoelectronic isolation from the on-site layer   |
| Error diagnosis                                    | Yes   |
| Switching frequency (resistive)                    | 100Hz   |
| Switching frequency (lamp)                         | 10Hz  |
| Switching frequency (inductive)                    | 0.2Hz   |
| Response time of protection circuit                | < 100 μs  |
| Maximum current output per channel                 | 500 mA  |
| Leakage current                                    | Max: 10uA   |
| Hardware response time                             | 100us/100us   |
| Output impedance                                   | <200mΩ  |
| Output delay                                       | OFF to ON :Max.100us , ON to OFF :Max.150us   |
| Protection function                                | Over temperature shutdown: typical value 135 °C<br>Overcurrent protection: 1.1A. Typical value 0.5A<br>Support short circuit protection |
| Load type  | Inductive (7.2W/point, 24W/module), resistive (0.5A/point, 4A/module), electric light (5W/point, 18W/module)                            |
| Output action display                              | When the output is in the drive state, the indicator light is on  |
| Input Derating                                     | Derate by 50% when operating at 55 °C (while the output current of ON does not exceed 2A), or by 10 °C when all output points are ON    |
| I/O mapping  | Supports three I/O mapping methods: bit access, byte access, and word access  |
| Fault shutdown output status mode                  | Clear to zero and maintain the current value  |
| In shutdown mode                                   | Press the fault shutdown mode and no longer refresh   |
| Working voltage                                    | 24V DC +20 %/ -15 %   |
| System feed current                                | <75mA   |
| <b>Wiring parameters</b>                           |   |
| Connection technology: output end                  | PUSH-IN type wiring port  |
| line type  | Output  |
| Crimping area of wire                              | 0.14~1.5mm <sup>2</sup> /26~16AWG   |
| Strip length                                       | 8~10mm  |
| Installation method                                | DIN-35 type guide rail  |
| <b>Material parameters</b>                         |   |
| Colour   | Black   |
| Housing material                                   | PC plastic, PA66  |
| Consistency flag                                   | CE  |
| <b>Environmental requirements</b>                  |   |
| Permissible ambient temperature (during operation) | -25~60°C  |
| Permissible ambient temperature(storage)           | -40~85°C  |

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| Protection type  | IP20  |
| Pollution leve   | 2. Comply with IEC 61131-2 standard                       |
| Working altitude   | Without temperature influence: 0~2000m                    |
| Relative humidity (non condensing)                               | 5~95%RH   |
| Anti vibration   | 4g, Complies with IEC 60068-2-6 standard                  |
| Impact resistance  | 15g, Complies with IEC 60068-2-27 standard                |
| EMC - Immunity   | Complies with EN 61000-6-2 standard                       |
| EMC-Radiated Interference  | Complies with EN 61000-6-3 standard                       |
| Corrosion resistance   | Complies with IEC 60068-2-42 and IEC 60068-2-43 standards |
| Permissible H2S pollutant concentration at 75% relative humidity | 10ppm   |
| Permissible SO2 pollutant concentration at 75% relative humidity | 25ppm   |