

1. Specification

| Technical data | |
|-----------------------------------------------------------------------------------|---------------------------------------------|
| Number of digital outputs | 32 |
| Number of Channels | 32 |
| Signal type | Voltage |
| Signal type (voltage) | 24V DC NPN |
| Connection type | 1-line |
| Output characteristic | High-side switching |
| Switching Frequency (resistance/lamp load) | <1000Hz |
| Switching Frequency (Inductive load) | <0.2Hz |
| Response Time of the Protection Circuit | <100us |
| Output current per channel(MAX) | 500 mA |
| Load type | Inductance, resistance, lamp |
| "0" signal voltage | high-impedance state |
| "1" signal voltage | 0V DC |
| Data size | 4 byte |
| Supply voltage (system) | 5VDC; via data contacts |
| Current consumption | <100mA |
| Working voltage | 24VDC (-15%~+20%) via power jumper contacts |
| Isolation | 500Vsystem/field Electrical isolation |
| Reverse protection | Yes |
| Indicators | 32 x LED Green |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |
| Connection data | |
| Connection technology: inputs / outputs | 32 x via pluggable connector |
| Connection type 1 | Inputs/Outputs |
| Area of wire | 0.2~1.5mm ² /28~16AWG |
| Strip length | 8~9mm/0.31~0.35inches |
| Mounting type | DIN-35 RAIL |
| Material Data | |
| Color | light gray |
| Housing material | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE |
| Environmental requirements | |
| Ambient temperature (operation) | -25~60°C |
| Surrounding air temperature (storage) | -40~85°C |
| Protection type | IP20 |
| Pollution degree (5) | 2, Per IEC 61131-2 |
| Operating altitude | without temperature derating: 0~2000m |
| Mounting position | Any |
| Relative humidity (without condensation) | 5~95%RH |
| Vibration resistance | 4g, Per IEC 60068-2-6 |
| Shock resistance | 15g, Per IEC 60068-2-27 |
| EMC immunity to interference | Per EN 61000-6-2 |
| EMC emission of interference | Per EN 61000-6-3 |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible pollutant concentration H ₂ S at a relative humidity < 75% | 10ppm |
| Permissible pollutant concentration SO ₂ at a relative humidity < 75% | 25ppm |