

Datasheet

Wiegand interface for connection of up to two readers on RS485 interface



Wiegand interface

| Technical data | | | | | | | | | | | | | | | | | | | |
|---|---|----------------|-----|----------------|--|-----|--------|--|----|------------|--|----|------------|--|----|--------|--|----|-----------|
| Supply voltage | 14.4 VDC +/- 10% | | | | | | | | | | | | | | | | | | |
| Communications, RS485 interface | MODBUS protocol, emulates two RS485 readers | | | | | | | | | | | | | | | | | | |
| Wiegand interface | Two interfaces and 12VDC power supply for readers | | | | | | | | | | | | | | | | | | |
| Operating temperature | 0°C to +40°C | | | | | | | | | | | | | | | | | | |
| Wiring and cable installation | | | | | | | | | | | | | | | | | | | |
| Max. cable distance from central to interface | 50 m, see cable specifications for details | | | | | | | | | | | | | | | | | | |
| Max. cable distance from interface to readers | 25 m (if confirmed by supplier of Wiegand reader) | | | | | | | | | | | | | | | | | | |
| Wiring RS485 BUS (4 terminal sockets): | <table border="0"> <tr> <td>twisted pair</td> <td>+</td> <td>9-24V DC input</td> </tr> <tr> <td></td> <td>-</td> <td>Ground</td> </tr> <tr> <td></td> <td>RA</td> <td>RS-485 BUS</td> </tr> <tr> <td></td> <td>RB</td> <td>RS-485 BUS</td> </tr> </table> | twisted pair | + | 9-24V DC input | | - | Ground | | RA | RS-485 BUS | | RB | RS-485 BUS | | | | | | |
| twisted pair | + | 9-24V DC input | | | | | | | | | | | | | | | | | |
| | - | Ground | | | | | | | | | | | | | | | | | |
| | RA | RS-485 BUS | | | | | | | | | | | | | | | | | |
| | RB | RS-485 BUS | | | | | | | | | | | | | | | | | |
| Wiring Wiegand readers (6 terminal sockets): | <table border="0"> <tr> <td>twisted pair</td> <td>12V</td> <td>DC+</td> </tr> <tr> <td></td> <td>GND</td> <td>Ground</td> </tr> <tr> <td></td> <td>D0</td> <td>Data 0</td> </tr> <tr> <td></td> <td>D1</td> <td>Data 1</td> </tr> <tr> <td></td> <td>BZ</td> <td>Beeper</td> </tr> <tr> <td></td> <td>GL</td> <td>Green LED</td> </tr> </table> | twisted pair | 12V | DC+ | | GND | Ground | | D0 | Data 0 | | D1 | Data 1 | | BZ | Beeper | | GL | Green LED |
| twisted pair | 12V | DC+ | | | | | | | | | | | | | | | | | |
| | GND | Ground | | | | | | | | | | | | | | | | | |
| | D0 | Data 0 | | | | | | | | | | | | | | | | | |
| | D1 | Data 1 | | | | | | | | | | | | | | | | | |
| | BZ | Beeper | | | | | | | | | | | | | | | | | |
| | GL | Green LED | | | | | | | | | | | | | | | | | |
| Housing | | | | | | | | | | | | | | | | | | | |
| Size | W: 90mm x H: 70mm x D: 72mm | | | | | | | | | | | | | | | | | | |
| Installation | Mounted in DIN rail box (5DIN) | | | | | | | | | | | | | | | | | | |
| Housing | Self-extinguishing material PC-ABS | | | | | | | | | | | | | | | | | | |
| IP protection | IP20 | | | | | | | | | | | | | | | | | | |
| Color | Grey | | | | | | | | | | | | | | | | | | |
| Weight | 127g | | | | | | | | | | | | | | | | | | |