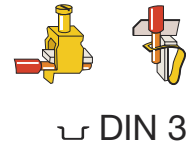


Relays and optocouplers

Optocouplers

R600

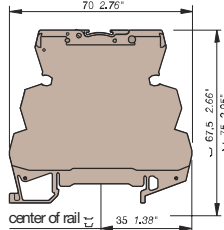


Optocoupler : 5 to 58 V DC output / 100 mA - 6 mm .236" spacing

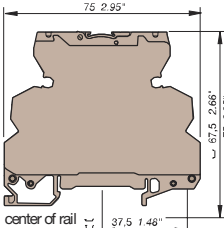
Characteristics

| Opto. characteristics | OB...IC 0100 | | | | | |
|--|--|------|----------------|--|------------|-----------------------------|
| INPUT | | | | | | |
| Input voltage +20% -15% on DC, +10% -10% on AC | 5 V DC - 12 V DC | | 24 V DC | 48 V AC/DC | 60 V AC/DC | 115 V AC/DC 230 V AC/DC |
| Frequency | 50 / 60 Hz | | 50 / 60 Hz | 50 / 60 Hz | 50 / 60 Hz | 50 / 60 Hz |
| Input current AC/DC | 5 mA | 9 mA | 4 mA | 4 mA | 5 mA | 7 mA / 16mA 11.5mA/25 mA |
| Pull-in voltage at Is=100% | 4 V | 4 V | 15 V | 25 V | 25 V | 60 VAC/70 VDC 60 VAC/70 VDC |
| Switching time C / O | | | | | | |
| Operating frequency | 10 µs / 500 µs | | 10 µs / 500 µs | 5 ms / 20 ms | | 5 ms / 15 ms |
| Permissible leakage current | 1000 Hz | | 1000 Hz | 20 Hz | | 20 Hz |
| OUTPUT | 0,9 mA | | 1 mA | 0,9 mA | | 1,6 mA |
| Output voltage | 4,5 to 58 VDC | | | | | |
| Output current min. | 1 mA | | | | | |
| Output current max. | 100 mA | | | | | |
| Output leakage current at Umax. | < 50 µA | | | | | |
| Residual voltage at I max and U rated | 1 V | | | | | |
| typical | 1,3 V | | | | | |
| max. | | | | | | |
| Frequency on inductive load | 2500 V RMS | | | | | |
| Isolation Input / Output | 2500 V RMS | | | | | |
| TEMPERATURE | | | | | | |
| Ambient temperature storage | -40°C to +80°C | | | | | |
| operating | -20°C to +70°C (1) | | | | | |
| Other characteristics | Screw clamp | | | Spring clamp | | |
| Body material | grey UL 94 V0 | | | grey UL 94 V0 | | |
| Wire | Solid wire | | | Solid wire | | |
| size | 0,2 - 4 mm ² / 24 - 12 AWG | | | 0,2 - 2,5 mm ² / 24 - 12 AWG | | |
| Stranded wire | 0,22 - 2,5 mm ² / 24 - 12 AWG | | | 0,22 - 2,5 mm ² / 24 - 12 AWG | | |
| Rated wire size | 2,5 mm ² / 12 AWG | | | 2,5 mm ² / 12 AWG | | |
| Wire stripping length | 9 mm .354" | | | 9 mm .354" | | |
| Recommended screwdriver | 3,5 mm .137" | | | 3,5 mm .137" | | |
| Protection | IP20 NEMA1 | | | IP20 NEMA1 | | |
| Recommended torque | 0,4 - 0,6 Nm 3,5 - 5,3 lb.in | | | 0,4 - 0,6 Nm 3,5 - 5,3 lb.in | | |
| Approvals | | | | | | |
| Reference standards | CEI 947-7-1 / CEI 947-1 / CEI 1131-2 (in relevant parts) / CEI 60664-1 / CEM : IRC 1000-4-2, 3, 4, 5, 6. | | | | | |

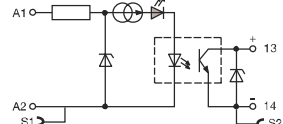
(1) Over 55°C, blocks have to be mounted on horizontal rail with 10 mm spacing between each block. For vertical rail mounting use temperature is 15°C less decreased.



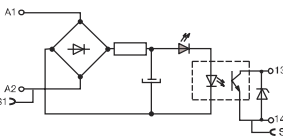
Screw clamp module



Spring clamp module



OB...IC 0100 - 5-12 V DC
115-230 V AC/DC



OB...IC 0100
24 V DC
24-48-60 V AC/DC

Order codes

| Description | Type | Order P/N | Packaging | Weight kg |
|------------------------------|--------------------------|--------------------|-----------|--------------|
| Optocoupler module 100 mA/DC | OBIC 0100-5-12VDC | 1SNA 645 047 R0000 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBIC 0100-24VDC | 1SNA 645 021 R2600 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBIC 0100-48-60VAC/DC | 1SNA 645 049 R1200 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBIC 0100-115-230VAC/DC | 1SNA 645 022 R2700 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBRIC 0100-5-12VDC | 1SNA 645 547 R0200 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBRIC 0100-24VDC | 1SNA 645 521 R2000 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBRIC 0100-48-60VAC/DC | 1SNA 645 549 R1400 | 10 | 0,02 |
| Optocoupler module 100 mA/DC | OBRIC 0100-115-230VAC/DC | 1SNA 645 522 R2100 | 10 | 0,02 |

Accessories

| | | | |
|---|-------------|--------------------|----|
| End section | BADH V0 | 1SNA 116 900 R2700 | 50 |
| | BADL V0 | 1SNA 399 903 R0200 | 50 |
| | BAM2 V0 | 1SNA 399 967 R0100 | 50 |
| Separator end section | SC 612 | 1SNA 290 474 R0200 | 10 |
| Divisible shunt 10 poles | BJ 612-10 | 1SNA 290 488 R0100 | 10 |
| Divisible shunt 70 poles | BJ 612-70 | 1SNA 290 489 R0200 | 10 |
| Screw clamp distribution block sp. 12 mm | D4/12-3-3 | 1SNA 645 031 R2000 | 5 |
| Spring clamp distribution block sp. 12 mm | D4/12-3R-3R | 1SNA 645 531 R2200 | 5 |
| Test plug DIA. 2 mm | FC2 | 1SNA 007 865 R2600 | 10 |
| Marking method | RC65 RC610 | see marking | |

