

Relays and optocouplers

Optocouplers

R600



DIN 3

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

Characteristics

Opto. characteristics	OB...OC 5000			
INPUT				
Input voltage +20% -15% on DC, +10% -10% on AC	24 V DC		115 V AC/DC	230 V AC/DC
Frequency			50 / 60 Hz	50 / 60 Hz
Input current	5,4 mA		4,2 mA	4 mA
Pull-in voltage at Is=100%	12 V		50 V	80 V
Switching time C / O	30 µs/400 µs		500 µs/10 ms	1 ms / 15 ms
Operating frequency	1000 Hz		50 Hz	35 Hz
Permissible leakage current	0,8 mA		0,3 mA	0,3 mA

OUTPUT

Output voltage	4,5 to 58 VDC
Output current min.	1 mA
Output current max.	5 A
Output leakage current at Umax.	< 50 µA
Residual voltage at I max and U rated	0,1 V typical
	0,5 V max.
Frequency on inductive load	
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	grey
Wire	UL 94 V0	UL 94 V0
size	0,2 - 4 mm ² / 24 - 12 AWG	0,2 - 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

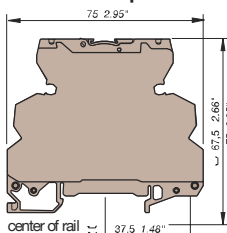
CE, UL, (pending), LRS, CE

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.

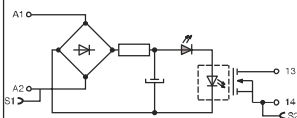
(1) Over 55°C, blocks have to be mounted on horizontal rail with 10 mm spacing between each block. For vertical rail mounting use temperature is 15°C less decreased.



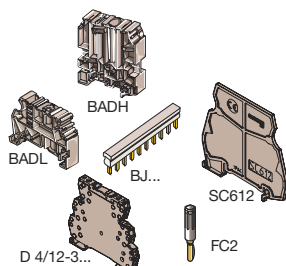
Screw clamp module



Spring clamp module



OB...OC 5000
24 V DC
24-48-60-115-230 V AC/DC



Order codes

Description	Type	Order P/N	Packaging	Weight kg
Optocoupler module 5 A/DC	OBOC 5000-24VDC	1SNA 645 024 R2100	10	0,02
Optocoupler module 5 A/DC	OBOC 5000-115VAC/DC	1SNA 645 058 R1300	10	0,02
Optocoupler module 5 A/DC	OBOC 5000-230VAC/DC	1SNA 645 059 R1400	10	0,02
Optocoupler module 5 A/DC	OBROC 5000-24VDC	1SNA 645 524 R2300	10	0,02
Optocoupler module 5 A/DC	OBROC 5000-115VAC/DC	1SNA 645 558 R1500	10	0,02
Optocoupler module 5 A/DC	OBROC 5000-230VAC/DC	1SNA 645 559 R1600	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	