

Relays and optocouplers

Optocouplers

R600



DIN 3

Optocoupler : 24 to 400 V AC output / 2 A max. - 6 or 12 mm spacing

Characteristics

Opto. characteristics	OB...OA 1000							OB...OA 2000
INPUT								
Input voltage +20% -15% on DC, +10% -10% on AC	24 VDC	48 V AC/DC 50 / 60 Hz	60 V AC/DC 50 / 60 Hz	115 V AC/DC 50 / 60 Hz	230 V AC/DC 50 / 60 Hz	24 VDC		
Frequency	3,6 mA	4,3 mA	5,5 mA	4,15 mA	4,6 mA	3,6 mA		
Input current	14 V	15 V	18 V	60 V	135 V	14 V		
Pull-in voltage at Is=100%	150 µs/1ms	3 ms / 30 ms		2,2ms/18ms		25ms/25 ms	150 µs/1 ms	
Switching time C / O	500 Hz	20 Hz		25 Hz		20 Hz	500 Hz	
Operating frequency	1 mA	1 mA		1 mA		1 mA	1 mA	
Permissible leakage current								
OUTPUT								
Output voltage	24 to 400 V AC							
Frequency	50 / 60 Hz							
Output current min.	25 mA							
Output current max.	1 A						2 A	
Output leakage current at Umax.	< 0,5 mA							
Residual voltage at I max and U rated	1 V							
U rated	1,6 V							
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								
Body material	Screw clamp			Spring clamp				
Wire	UL 94 V0			UL 94 V0				
size	0,2 - 4 mm² / 24 - 12 AWG			0,2 - 2,5 mm² / 24 - 12 AWG				
Stranded wire	0,22 - 2,5 mm² / 24 - 12 AWG			0,22 - 2,5 mm² / 24 - 12 AWG				
Rated wire size	2,5 mm² / 12 AWG			2,5 mm² / 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	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.

Order codes

Description	Type	Order P/N	Packaging	Weight kg
Optocoupler module 1 A/AC 6 mm spac.	OBOA 1000-24VDC	1SNA 645 027 R2400	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBOA 1000-48-60VAC/DC	1SNA 645 061 R0600	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBOA 1000-115VAC/DC	1SNA 645 062 R0700	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBOA 1000-230VAC/DC	1SNA 645 028 R0500	10	0,03
Optocoupler module 2 A/AC 12 mm spac.	OBOA 2000-24VDC	1SNA 645 029 R0600	5	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBROA 1000-24VDC	1SNA 645 527 R2600	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBROA 1000-48-60VAC/DC	1SNA 645 561 R0000	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBROA 1000-115VAC/DC	1SNA 645 562 R0100	10	0,03
Optocoupler module 1 A/AC 6 mm spac.	OBROA 1000-230VAC/DC	1SNA 645 528 R0700	10	0,03
Optocoupler module 2 A/AC 12 mm spac.	OBROA 2000-24VDC	1SNA 645 529 R0000	5	0,03

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	

