

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 V DC	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 V DC	
Frequency							
Input current	3,6 mA	4,3 mA	5,5 mA	4,15 mA	4,6 mA	3,6 mA	
Pull-in voltage at Is=100%	14 V	15 V	18 V	60 V	135 V	14 V	
Switching time C / O	150 µs/1ms	3 ms / 30 ms		2,2 ms/18 ms	2,5 ms/25 ms	150 µs/1 ms	
Operating frequency	500 Hz	20 Hz		25 Hz	20 Hz	500 Hz	
Permissible leakage current	1 mA	1 mA		1 mA	1 mA	1 mA	
OUTPUT							
Output voltage	24 to 400 V AC						
Frequency	50 / 60 Hz						
Output current min.	25 mA						
Output current max.	1 A						
Output leakage current at Umax.	2 A						
Residual voltage at I max and U rated	< 0,5 mA						
typical	1 V						
max.	1,6 V						
Frequency on inductive load	2500 V RMS						
Isolation Input / Output							
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	Solid wire			Solid wire			
size	Stranded wire			Stranded wire			
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	

