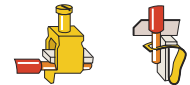


# Relays and optocouplers

## Optocouplers

### R600



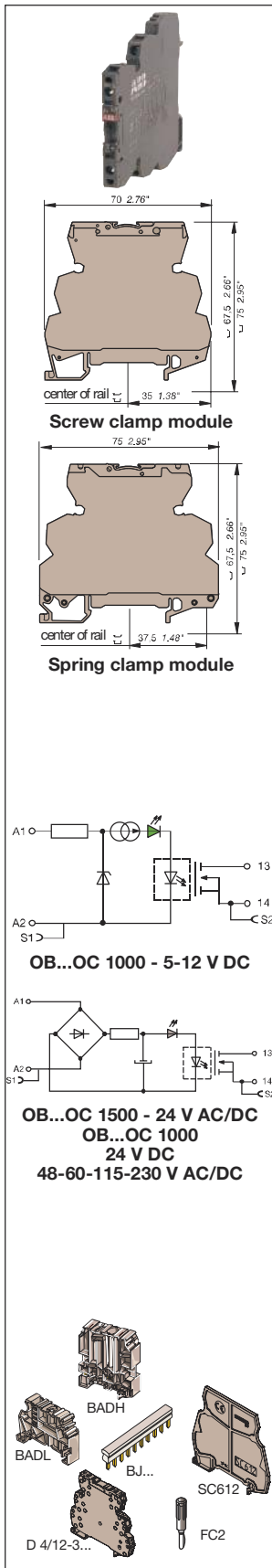
DIN 3

Optocoupler : 5 to 58 V DC output / 2 A - 6 mm .236" spacing

#### Characteristics

Opto. characteristics	OB...OC 1000		OB...OC 1500	OB...OC 1000				
	INPUT							
Input voltage +20% -15% on DC, +10% -10% on AC	5 V DC - 12 V DC		24 V DC	24 V AC/DC	48 V AC/DC	60 V AC/DC	115 V AC/DC	230 V AC/DC
Frequency	5 mA   9 mA		5,4 mA	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input current	5 mA   9 mA		5,4 mA	6,3 mA	4 mA	5,1 mA	4,2 mA	4 mA
Pull-in voltage at Is=100%	4 V		12 V	15 V	27 V	27 V	50 V	80 V
Switching time C / O	15 µs / 250 µs		30 µs/400 µs	1 ms/7 ms	5 ms/20 ms	5 ms/20 ms	500 µs/10 ms	1 ms / 15 ms
Operating frequency	2000 Hz		1000 Hz	60 Hz	20 Hz	20 Hz	50 Hz	35 Hz
Permissible leakage current	1 mA		0,8 mA	0,9 mA	1 mA	1 mA	0,3 mA	0,3 mA
<b>OUTPUT</b>								
Output voltage				4,5 to 58 VDC				
Output current min.				1 mA				
Output current max.				2 A				
Output leakage current at Umax.				< 50 µA				
Residual voltage at I max and U rated				typical 0,1 V max. 0,5 V				
Frequency on inductive load				2500 V RMS				
Isolation Input / Output				2500 V RMS				
<b>TEMPERATURE</b>								
Ambient temperature storage				-40°C to +80°C				
operating				-20°C to +70°C (1)				
<b>Other characteristics</b>								
Body material	grey		Screw clamp	Spring clamp				
Wire	Solid wire		UL 94 V0	UL 94 V0				
size	Stranded wire		0,2 - 4 mm <sup>2</sup> / 24 - 12 AWG	0,2 - 2,5 mm <sup>2</sup> / 24 - 12 AWG				
Rated wire size			0,22 - 2,5 mm <sup>2</sup> / 24 - 12 AWG	0,22 - 2,5 mm <sup>2</sup> / 24 - 12 AWG				
Wire stripping length			2,5 mm <sup>2</sup> / 12 AWG	2,5 mm <sup>2</sup> / 12 AWG				
Recommended screwdriver			9 mm .354"	9 mm .354"				
Protection			3,5 mm .137"	3,5 mm .137"				
Recommended torque			IP20 NEMA1	IP20 NEMA1				
Approvals			0,4 - 0,6 Nm 3.5 - 5.3 lb.in	0,4 - 0,6 Nm 3.5 - 5.3 lb.in				
Reference standards			CE, UL, LRS, CE					

(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 2 A/DC	OBOC 1000-5-12VDC	1SNA 645 050 R1700	10	0,02
Optocoupler module 2 A/DC	OBOC 1000-24VDC	1SNA 645 051 R0400	10	0,02
Optocoupler module 2 A/DC	OBOC 1500-24VAC/DC	1SNA 645 025 R2200	10	0,02
Optocoupler module 2 A/DC	OBOC 1000-48-60VAC/DC	1SNA 645 053 R0600	10	0,02
Optocoupler module 2 A/DC	OBOC 1000-115VAC/DC	1SNA 645 054 R0700	10	0,02
Optocoupler module 2 A/DC	OBOC 1000-230VAC/DC	1SNA 645 026 R2300	10	0,02
Optocoupler module 2 A/DC	OBROC 1000-5-12VDC	1SNA 645 550 R1100	10	0,02
Optocoupler module 2 A/DC	OBROC 1000-24VDC	1SNA 645 551 R0600	10	0,02
Optocoupler module 2 A/DC	OBROC 1500-24VAC/DC	1SNA 645 525 R2400	10	0,02
Optocoupler module 2 A/DC	OBROC 1000-48-60VAC/DC	1SNA 645 553 R0000	10	0,02
Optocoupler module 2 A/DC	OBROC 1000-115VAC/DC	1SNA 645 554 R0100	10	0,02
Optocoupler module 2 A/DC	OBROC 1000-230VAC/DC	1SNA 645 526 R2500	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 point DIA. 2 mm	FC2	1SNA 007 865 R2600	10
Marking method	RC65 RC610	see marking	