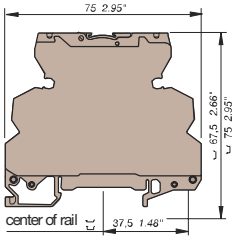
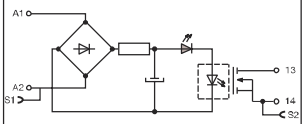


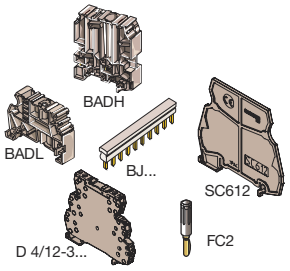
Screw clamp module



Spring clamp module



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



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	typical	0,1 V					
	max.	0,5 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		Screw clamp	Spring clamp
Body material	grey	UL 94 V0	UL 94 V0
Wire size	Solid wire	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		c UL us, SIQ (pending), GL, 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 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	