

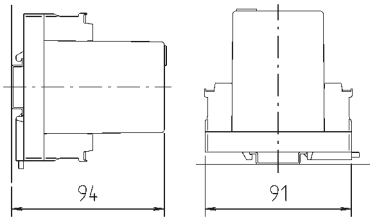
This optocoupler provides for a safe galvanic isolation between a non-intrinsically safe input circuit (transmitter) and the output connected to an intrinsically safe circuit (receiver), which is clearly identified by means of light blue terminals. The two channels are also safely galvanically isolated from each other.

Explosion protection

Marking ATEX	II 2G Ex db e [ia Ga] IIC Gb I M2 Ex db e [ia Ma] I Mb
Certification	PTB 97 ATEX 1068 U TÜV 01 ATEX 1715
Marking IECEx	Ex db e [ia Ga] IIC Gb Ex db e [ia Ma] I Mb
Certification	IECEx PTB 11.0083U IECEx TUN 11.0029X
Marking CSA	Class I, Zone 1, IIC A/Ex d e [ia] IIC Gb
Certification	CSA 2011-2484303U
Fitting	Type 17-9135-4.../.... II (1) G / II (1) D [Ex ia Ga] IIC [Ex ia Da] IIIC

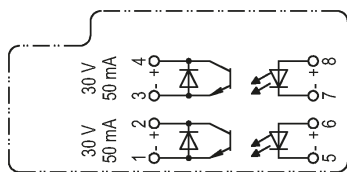
Other approvals and certificates, see www.bartec.de

Dimensions/mounting positions



Module width: 30 mm

Wiring diagram/terminal assignment



Technical data

Enclosure material	High-quality thermoplastic
Protection class	Module IP 54 EN/IEC 60529 Terminals IP 20 EN/IEC 60529
Terminals	Max. 2.5 mm ² , fine stranded
Mounting rail	TH 35 x 7.5 (15) EN/IEC 60715
Terminal designation	written marking labels
Ambient temperature	-20 °C to +40 °C at T6
Storage temperature	-40 °C to +70 °C
Weight	0.250 kg

Electrical data

Total power dissipation	$P_{max} = 0.8 \text{ W}$ No capacities and inductances
Inputs	
Input voltage	DC 20 to 28 V (with reverse polarity protection)
Input current	5.5 mA to 9.2 mA
Outputs	
Voltage	DC 4 V to max. 30 V
Saturation voltage	0.9 V
Current	max. 50 mA (only for connecting to certified intrinsically safe circuits. C_i and L_i negligible)
Transmission data	
Switching frequency	max. 5 kHz (with $U_A = 10 \text{ V}$)
Switching times measured at	$U_E = 20 \text{ V}_{SS}$; $U_A = 10 \text{ V}_{SS}$; $I_A = 50 \text{ mA}$
	Rise time approx. 15 μs
	Drop-out time approx. 13 μs
	Switch-on time approx. 18 μs
	Switch-off time approx. 19 μs
Galvanic isolation transmitter/receiver	max. 375 V (peak value)

Ordering information

Optocoupler, 2-channel **07-7311-93QH/C5M0**
 Technical data subject to change without notice.