

... cost-effective interface module



ISO 9001: 2000



C US

Features

- Potential separation between extra-low voltage and power supply
- Built-in in-line filter for improved EMC stability of the connected sensors
- Extremely cost-effective
- Versatile applications
- Separate terminal for emitter and receiver enables neater wiring
- Robust construction
- Sensors with NPN or PNP outputs can be connected
- Easy to install

Technical data

Electrical

Supply voltage U_{SP}	20.4 ... 27.6 VDC
Ripple	10% of U_{SP}
Current consumption	Max. 20 mA (relay on)
Output	125 VAC / 9A 277 VAC / 7 A 30 VDC / 7 A
LED indicator	Green (power on), orange (relay on)
Polarity protection	@ 24 V input

Cables

Length	Per 1 m
Cable norm	IEC 60227-1
Voltage supply	AWG 23, 2-veined 0.25 mm ²
Relay output	AWG 16, 3-veined 1.00 mm ²

Mechanical

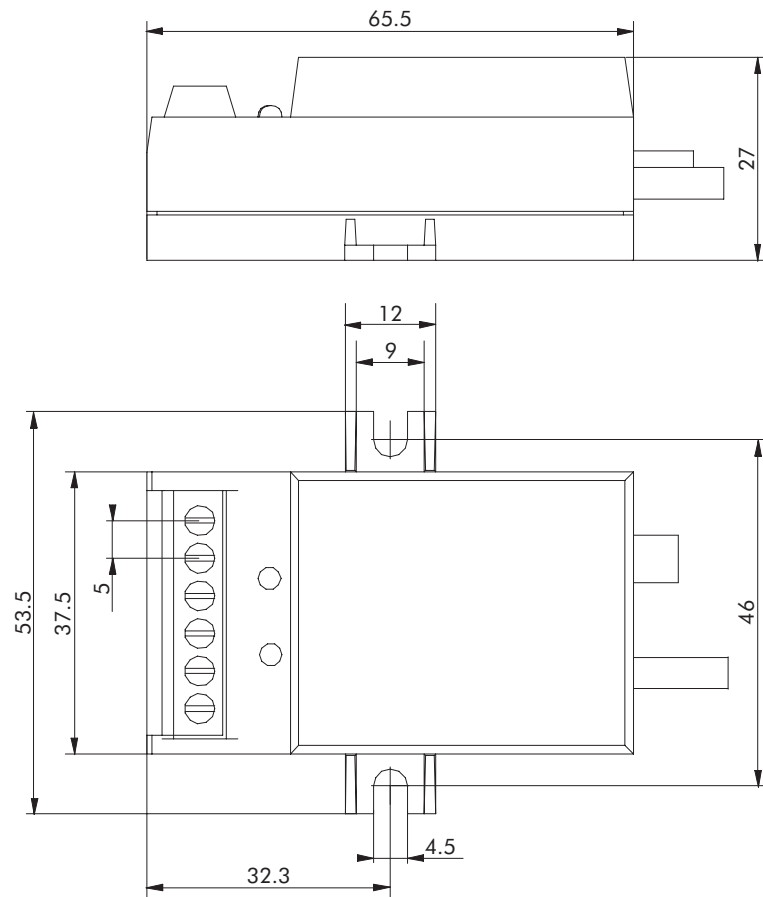
Dimensions	65.5 x 37.5 x 27 mm
Enclosure rating	IP33 (similar to NEMA type 2)
Temperature range	-20 ... +65°C (-5 ... 150°F)

Electrical connections

Input:		Output (relay):	
+24 V	brown	NO	black
0 V (GND)	blue	NC	white
		COM	green
Sensor input:		Sensor input:	
Emitter	+24 V, 0 V	Receiver	+24 V, 0 V
			PNP, NPN

General

Fire protection class	UL94 V-0
Shock, vibration	IEC 60068-2-6 / 60068-2-29
CSA	CSA-B44.1-96
UL	ASME-A17.5-1996
Certificates	CE, ISO 9001: 2000 Low voltage guidelines EMC guidelines



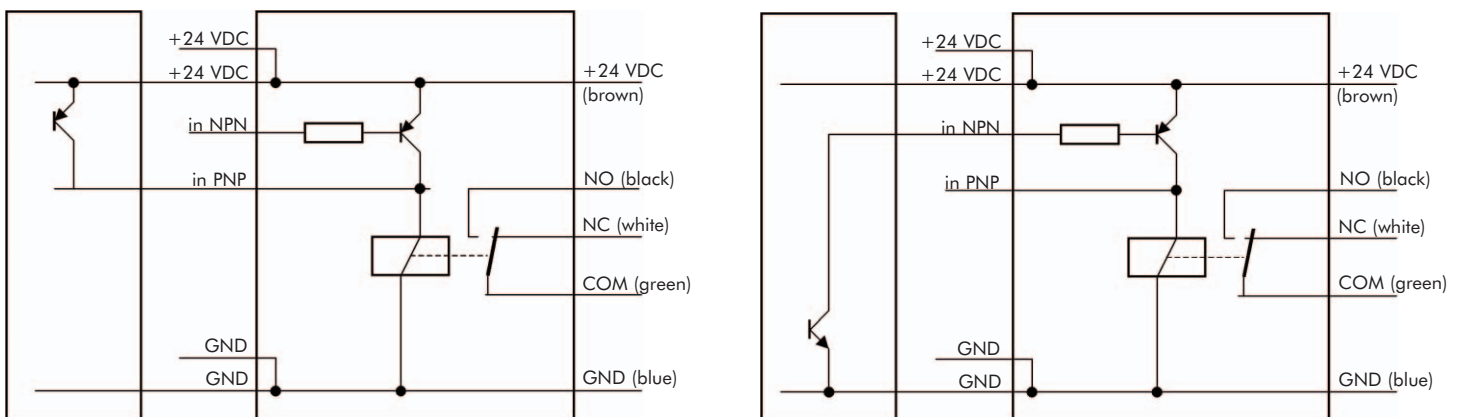
Block circuit diagram

Sensor with PNP output

Relay module

Sensor with NPN output

Relay module



Ordering information

Part No.	Type	Description
103 602	Relay module	Complete, individually packed, with 1 m connection cable

Other variations on request