

Indicator light for DC 500 - 1500 V

Type 8965 can be switched directly or else via a 24 V contact

8965



Indicator light for DC 500 - 900 V Type 8965 can be switched directly or else via a 24 V contact

Description

Often it is necessary to signal a switching state and only the traction voltage is available.

Solutions using incandescent lamps and pre-resistances are always unsatisfactory. As a result of the large voltage fluctuations, the incandescent lamps barely light up at all or else they have a very short life. In addition, the sensitivity of incandescent lamps to vibration provides further difficulties.

A further problem is actuation. Often no contacts are available that can switch the contact wire voltage and control the relatively large surge currents (startup currents) of the incandescent lamps.

Seven LEDs are switched in series in the type 8965 indicator light. Pre-resistances and diodes limit the switching voltage to 24 V and the current to 1 mA at DC 900 V, whereby the indicator light can also be switched directly via a 900 V contact.

When switching on the indicator lights with auxiliary contacts with a permissible switching voltage of less than 900 V (switching via the third wire = control wire), there is no galvanic separation between the positive and negative potentials of the contact wire current.



Function

When switching the indicator light via the control cable (3rd conductor), a closed control contact puts out the indicator light (an opened control contact = lighting up of the indicator light).

Despite the small amount of current drawn at $I_N < 1 \text{ mA}$, the special built-in LEDs have excellent brightness.

The indicator lights are currently only available in red. Other colours on request. See the complete brochure folder for additional special devices for DC 600 V to DC 1500 V.

Technical data

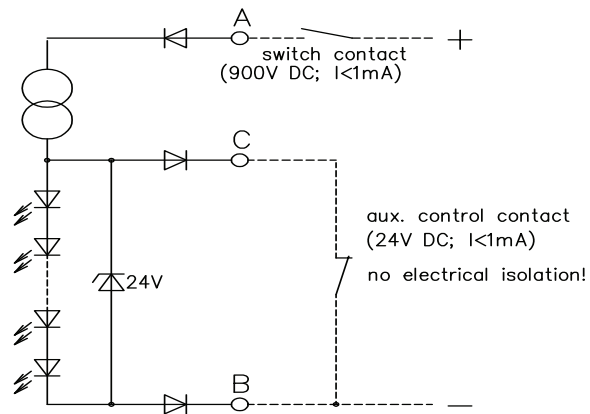
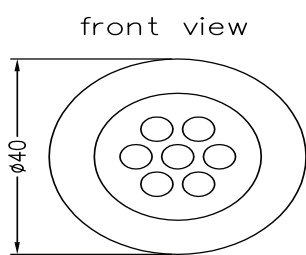
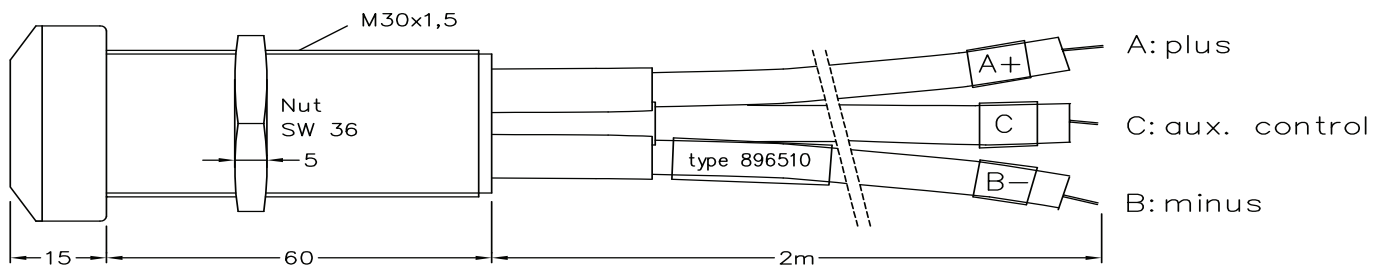
Configuration	M 30 housing
Dimensions	see figure
Housing	Plastic
Attachment	Front panel installation with locknut (hole diameter 30 mm)
Configuration	7 light emitting diodes (LEDs)
Colour	red
Voltage	DC 500 V to DC 1500 V
Current	$\leq 1 \text{ mA}$
Actuation direct	Contact data required Switching voltage DC 900/1500V Switching current $I \leq 1 \text{ mA}$
Control cable (only 8965-3)	Switching voltage \leq DC 24 V Switching current $\leq 1 \text{ mA}$
Connection	3/2 individual cores fixed encapsulated, length 2 m (other lengths on request)
Protection against incorrect polarity	yes (no function / damage if incorrectly connected)

Ordering information

Type	Part No.
8965 00 - 2L/900V	910601
8965 10 - 3L/900V	910600
8965 00 - 2L/1500V	910603
8965 10 - 3L/1500V	910602
8965 00 - 2L - EH/900V	910604 (extra bright)

Special configurations on request.

type 8965 10, part no. 910600



type 8965 00, part no. 910601

