

Current sensor Type 8442

8442

ESN

Description

The type 8442 non-contact current sensor is suitable for the monitoring of higher power currents up to around 800 A (higher values can be handled in a special version). A zero-potential contact (make-type contact) switches when the current values that had been set at the factory are reached.

The current sensor is hermetically sealed and can be used outdoors. No auxiliary power is needed for its operation.

The current sensor consists of an inert gas contact that is sensitive to magnetic fields, an insulating plate and a defined piece of conducting material, all encapsulated in a plastic housing. The switching point that is desired by the customer is set during manufacture.

The conductors that are required for setting can be set up according to the wishes of the user.



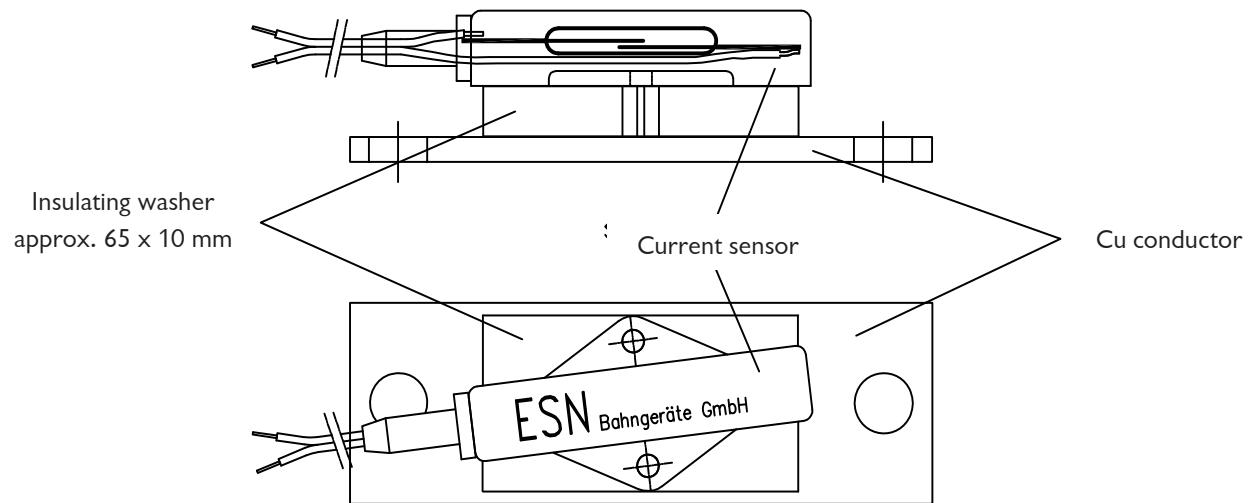
Technical data

Dimensions	see figure, WxHxD 35x70x15 mm
Housing	Plastic
Attachment	Two-hole fastening, spacing 25 mm
Type of protection	IP 67
Function	1 make-type contact
Switching voltage	max. AC/DC 400 V
Switching current	max. 1.0 A
Switching rating	max. 60 W/VA
Switching time	4 ms
Hysteresis	without load: > 109 switchovers with load: > 108 switchovers
Resistance to vibration	max. 35 g at 50 - 500 Hz
Shock resistance	max. 50 g, 11 ms, half-sine
Ambient temperature	-40°C to +70°C
Supply cable	Cable skein 3 x 0.75 mm ² (moulded), L = 1 m
Accessories:	
Fastening parts	on request

Ordering information

Type	Part No.
8442	120110





Make-type contact current sensor

