Technical Datasheet

SCHNIER
Der Partner für Elektrostatik

Description: **High voltage measuring resistor for ESC**
Part number: **810407**

Technical Data

Max. Measuring voltage	120 kV DC (HV-Connection must be filled with insulation grease)
Measuring resistance	5 G Ohm / 2%
Environmental conditions	+5°C up to 60°C max. 80% r.h.
Weight	2,6 kg
Protection Class	IP 65
Build-in-conditions	The measuring resistor must be mounted on a grounded plate. The residual energy monitoring is mounted directly on top of the measuring resistor.
High voltage connector	Ø Connection tube >10 mm >200mm depth Ø Contact bush 4mm

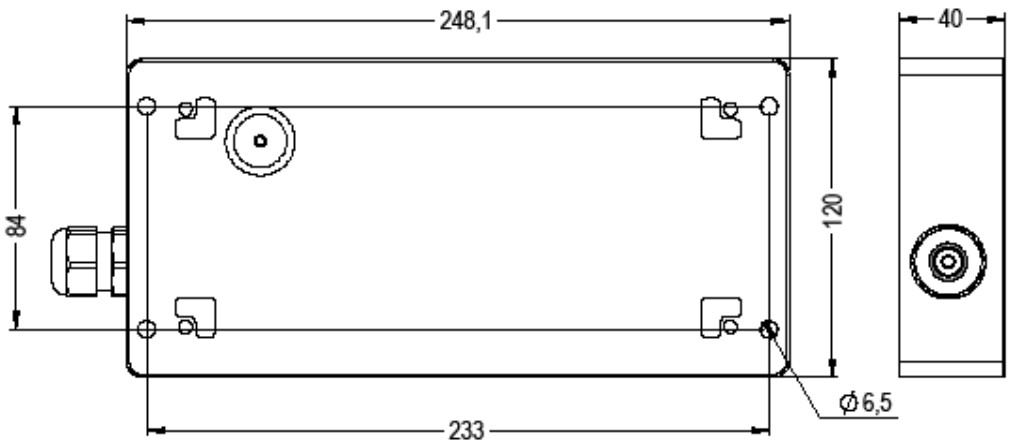
Intended Use

This Product is dedicated only for the use in stationary electrostatic installations which comply with the safety requirements of at least one of this harmonized standards:

EN 50176 "Stationary electrostatic application equipment for ignitable liquid coating material"
EN 50348 "Stationary electrostatic application equipment for non-ignitable liquid coating material"
EN 50177 "Stationary electrostatic application equipment for ignitable coating powders"
EN 50223 "Stationary electrostatic application equipment for ignitable flock material"

It serves as an additional monitoring unit and is not a protective device in the sense of the machinery directive as an individual unit.

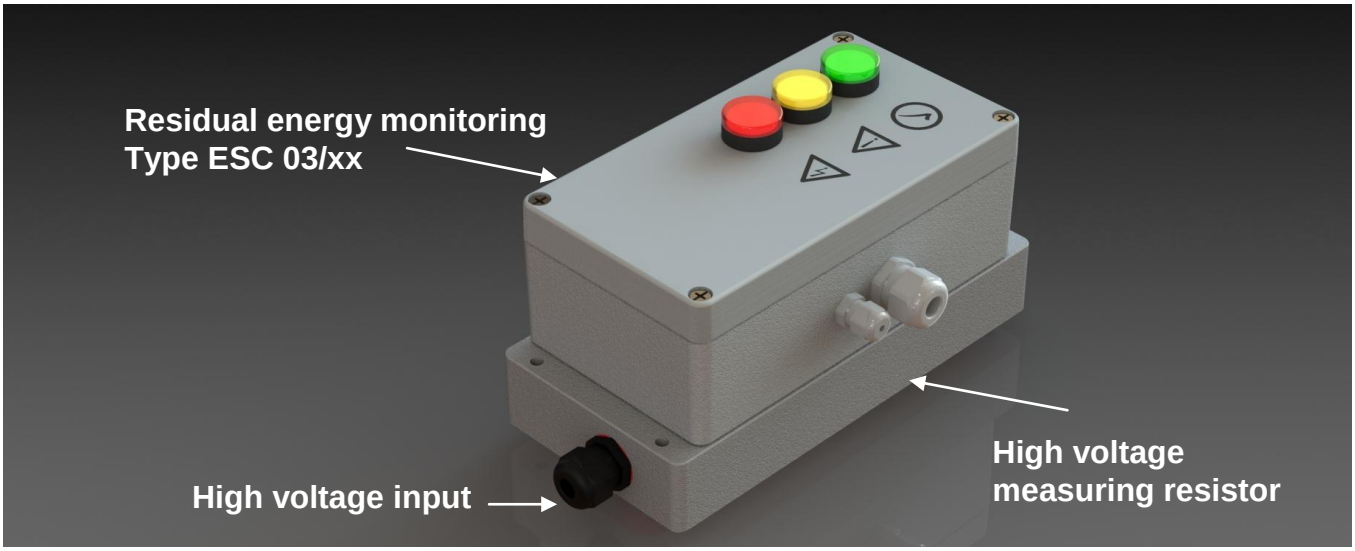
Dimensions



Technical description

The residual energy monitoring Type ESC 03/xx is directly mounted on top of the high voltage measuring resistor.

The value of the high voltage measuring resistor is 5 GOhm and it is encapsulated in epoxy inside aluminum housing. The high voltage connection is a 200 mm deep tube with 4 mm bush.
A M20 x1.5 SkinTop screw connection is used to grab the high voltage cable. The output of the measuring resistor is internally connected to the residual energy monitoring electronic.



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