





Application

External multipliers (voltage dividers) are used in connection with moving—coil instruments in the measurement of DC voltages in electrical installations connected to the ground.

They comprise cast resin insulated high–precision film resistors of DIN class 0.5 accuracy.

General technical Data

construction thermoplastic case containing film resistors,

cast resin insulated

panel fixing by two screws M4 terminals screws M3

dimensions refer to dimensional drawings

weight approx. 0.2 kg
enclosure code IP 65 case
IP 00 terminals

Measuring Ranges

DC voltage for meter movement 25 V, 250 μA

1,000 V; 1,500 V; 2,000 V; 2,500 V; 3,000 V; 4,000; 5,000 V; 6,000 V;

10,000 V

sensitivity 2 $k\Omega/V$

Accuracy at Reference Conditions

accuracy class 0.5 according to DIN EN 60 051 - 1

reference conditions

ambient temperature 23°C±1K

Environmental

climatic suitability climatic class 2

according to VDE/VDI 3540, sheet 2 operating $-25 \dots +40$ °C

temperature range

storage

temperature range relative humidity

e-mail:

–25 ... +65°C

≤ 75% annual average, non-condensing

Rules and Standards

DIN EN 60 051

Direct acting indicating analogue electrical measuring instruments and their accessories

Part 1: Definitions and general requirements

common to all parts

–8 Part 8: Special requirements for accessories

–9 Part 9: Recommended test methodsDIN EN 60 529 Enclosure codes by housings (IP-code)

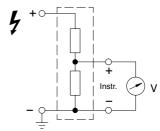
DIN EN 61 010-1 Safety requirements for electrical measuring, control and laboratory equipment

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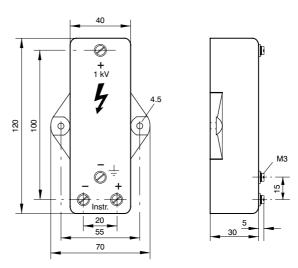
Part 1: General requirements

VDE/VDI 3540 sheet 2 reliability of measuring and control equipment (classification of climates)

Connections



Dimensions



(scaled in mm)

Ordering Information

type	external multiplier for DC voltage
measuring ranges	refer to table above

ordering example

external multiplier 5,000 V DC for meter movement 25 V, 250 μA

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- specifications subject to change without notice; date of issue 03/11 -

