

Trip amplifier, selector switch, zener barrier



Description

The MK 330 GS trip amplifier compares the measurement signal at the input with the pre-set values of the coding switches (0–99 %). If the measurement signal exceeds or falls below the setpoint, the corresponding output relay responds according to the selected fail-safe function (relay energises or de-energises). The SMK 330 GS trip amplifier with integrated power supply also supplies the connected transducer.

Technical specifications

Housing

Standard DIN-rail housing
W x H x D: 23 x 78 x 103 mm

Supply voltage

MK 330 GS: AC/DC 20–253 V
SMK 330 GS: DC 20–30 V or AC 230 V

Input

0–10 V or (0)4–20 mA

Input resistance

150 Ohm/U 400 kOhm

Output

2 relays changeover contacts
250 V, 2 A, 100 VA
Function 2Max, 2Min or 1Max/Min

DG: H	Part no.	Price €
MK 330 GS	53708	
SMK 330 GS Transducer supply DC 24 V	53709	



Description

The MSU 6 and MSU 12 selectors are designed for manual operation. They allow up to 6 3-wire or 4-wire transducers (MSU 6) or up to 12 2-wire transducers to be connected to a common display unit (or recorder).

Technical specifications

Housing

Standard rack housing
W x H x D: 96 x 48 x 134 mm

Panel cut out

W x H: 92 x 45 mm

Protection (front)

IP 40 (EN 60529)

Mechanical service life

>25,000 switching cycles

Input

Voltage < 42 V, current < 2 A

Switch rating (resistive load)

at 1 V/1.5 A (AC/DC)
at 42 V/0.2 A (AC/DC)

DG: H	Part no.	Price €
MSU 6 6 Inputs 3- or 4-wire	53710	
MSU 12 12 Inputs 2-wire	53711	



Description

The GHG 111 Ex safety barrier is designed for intrinsically safe monitoring of measuring currents in Ex zone 1. For connection to display instruments (0)4–20 mA and to Ex-approved sensors EEx ib/ia II B / II C.

Technical specifications

Housing

Standard DIN-rail housing with plug-in base
W x H x D: 11 x 125 x 85 mm

EC design type approval:

TÜV 99 ATEX 1449x
II (1) G [EEx ia] II C

Input

(0)4–20 mA

Output

(0)4–20 mA intrinsically safe (i a)

Current circuits (max. data)

U. 28/28 V
I. 93/100 mA
P. 651/40 mW
La 2.1/4 mH
Ca 83/83 nF

Ambient temperature

Max. 60 °C

DG: H	Part no.	Price €
GHG 111	31284	