

8453/1-03-002 Art. No. 145172



- Control element for customised equipping with numerous electric and electronic components
- Flameproof enclosure (Ex d) with screw terminals with increased safety (Ex e)
- Connection cross-section 0.75 to 2.5 mm<sup>2</sup>, solid/finely stranded
- Simple mounting on mounting rail

MY R. STAHL 8453A



R. STAHL's 8453 series control units are components with type of protection flameproof enclosure (Ex d) for installation in enclosures with increased safety (Ex e). They contain electronic and electrical components such as resistors, diodes, voltage limiters or fuses. Thanks to their compact design, they are suitable for space-critical applications.

### Technical Data

#### Explosion Protection

Application range (zones)	1, 2
IECEX gas certificate	IECEX PTB 06.0031 U
IECEX gas explosion protection	Ex db eb IIC T6 Gb
ATEX gas certificate	PTB 01 ATEX 1067 U
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 Gb
Inmetro gas certificate	ULBR140328U
Certificates	ATEX (PTB), Brazil (ULB), IECEX (PTB)

#### Electrical Data

Rated operational power	1 W
Maximum resistance R <sub>max</sub>	10 kΩ
Minimum resistance R <sub>min</sub>	10 kΩ

#### Ambient Conditions

Ambient temperature	-60 °C ... +50 °C
---------------------	-------------------

#### Mechanical Data

Version	with resistor
Degree of protection (IP)	IP20
Enclosure material	Polyamide
Silicone-free	Yes
Connection cross-section	2.5 mm <sup>2</sup>
Max. connection cross section, solid	2,5 mm <sup>2</sup>
Max. connection cross-section, finely stranded	2,5 mm <sup>2</sup>
Weight	50 g

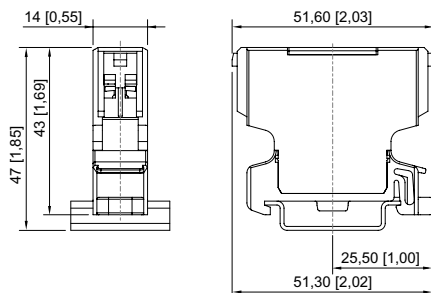
8453/1-03-002 Art. No. 145172

### Mounting / Installation

Handling conductor connection

With type 8453/1 elements (contact element and disconnected terminal with screw terminals), one or two conductors can be installed under one connection terminal. In the case of solid conductors, both conductors must have the same cross-section and must be made of the same material.  
The conductors can be connected without any special prior measures.

### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.