



- Flameproof diode module
- Versions with different internal wiring
- Universally usable for a range of control tasks
- Wide service temperature range
- Four screw terminals each with two clamping units with increased safety (Ex e)
- Large clamping range for solid or stranded conductors
- For installation in an Ex e enclosure on a toothed mounting rail
- International certificates available

E4

## MY R. STAHL 8208D



The flameproof diode module in the 8208 universal enclosure is versatile enough to be used for various different control tasks in hazardous areas. This compact device is designed for installation in enclosures with increased safety (Ex e) type of protection. It is mounted on a toothed mounting rail. Four Ex e screw terminals each with two clamping units are available for the electrical connection.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•			

Selection Table						
Rated operational voltage DC		33 V				
Figure	Product Description	Rated operational current	Product Type	Art. No.	Weight	
	Control unit With suppressor diode And temperature fuse	0.001 A (T6)	8208/14-02-0050	212879	71 g	
Rated operational voltage DC		500 V				
Figure	Product Description	Rated operational current	Product Type	Art. No.	Weight	
	Control unit With 2 diodes Type 1N4005	1 A (T6)	8208/14-02-0001	140662	90 g	
	Control unit With 3 diodes Type 1N4005	1 A (T6)	8208/14-02-0003	140722	150 g	
	Control unit With 4 diodes for lamp test Type 1N4005	1 A (T6)	8208/14-02-0002	140666	300 g	

Other versions on request.

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex db eb IIC T6 Gb
ATEX gas explosion protection	II 2 G Ex db eb IIC T6 Gb
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEx (PTB), SIL (exida)
Electrical Data	
Cut-off voltage	600 V

### Technical Data

#### Ambient Conditions

Ambient temperature -50 °C ... +60 °C

Note see "Max. power" table

#### Mechanical Data

Enclosure material Polyamide

Max. connection cross-section, finely stranded 2,5 mm<sup>2</sup>

Solid connection cross section 1.5 – 2.5 mm<sup>2</sup>

Finely stranded connection cross section 1.5 – 2.5 mm<sup>2</sup>

### Max. power

#### Maximum internal heat distribution

(connection with 1.5 mm<sup>2</sup> conductor cross-section and maximum 5 A)

Ambient temperature max. 40 °C		Ambient temperature max. 60 °C	
T <sub>surface</sub> = max. 80 °C	T <sub>surface</sub> = max. 95 °C	T <sub>surface</sub> = max. 80 °C	T <sub>surface</sub> = max. 95 °C
3.0 W	4.75 W	1.5 W	2.0 W

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

