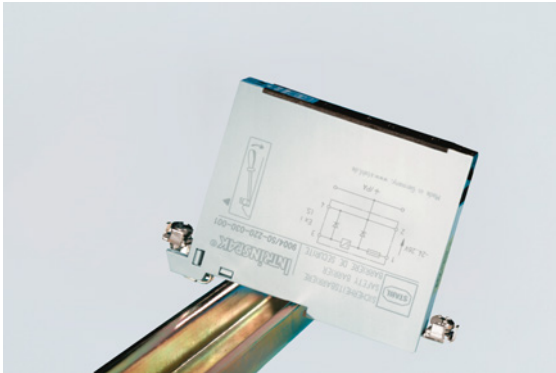




- For supplying field devices with intrinsically safe auxiliary power, variants for many applications
- Flexible and space-saving devices that are easy to install on a DIN rail
- Reduced stock-keeping thanks to a uniform back-up fuse

A2

MY R. STAHL 9004A



R. STAHL's series 9004 INTRINSPAK single-channel safety barriers are ideally suited to supplying field devices with intrinsically safe auxiliary power due to their electronic current limiting. They have a particularly good power yield and are available in many variants for circuits with a negative or positive potential, including for unregulated power supplies.

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

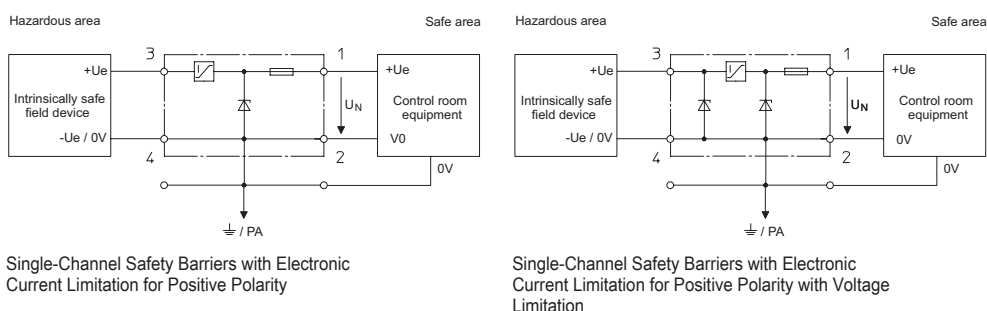
Selection Table								
Series 9004/01, for positive potential								
Product variant	Nominal voltage	Minimum resistance R_{min}	Maximum resistance R_{max}	Max. voltage U_o	Max. current I_o	Max. power P_o	Product Type	Art. No.
	12 V DC	26 Ω	30 Ω	16.8 V	50 mA	840 mW	9004/01-168-050-001	159060
	16 V	34 Ω	44 Ω	20 V	50 mA	1000 mW	9004/01-200-050-001	159068
Series 9004/51, for positive potential with voltage limiting								
Product variant	Nominal voltage	Minimum resistance R_{min}	Maximum resistance R_{max}	Max. voltage U_o	Max. current I_o	Max. power P_o	Product Type	Art. No.
	23 ... 27 V DC	–	–	20.6 V	85 mA	1751 mW	9004/51-206-085-001	159094
	Weight							
	116 g							
	118 g							
	126 g							

Technical Data		
Variant	9004/01	9004/51
Explosion Protection		
IECEX gas explosion protection	Ex ec [ib Gb] IIC T4 Gc	Ex ec [ib Gb] IIB T4 Gc
IECEX dust explosion protection	[Ex ib Db] IIIC	[Ex ib Db] IIIC
ATEX gas explosion protection	Ex II 3 (2) G Ex ec [ib Gb] IIC T4 Gc	Ex II 3 (2) G Ex ec [ib Gb] IIB T4 Gc
ATEX dust explosion protection	Ex II (2) D [Ex ib Db] IIIC	Ex II (2) D [Ex ib Db] IIIC
Certificates	ATEX (PTB), Canada (CSA), IECEX (PTB)	ATEX (PTB), Canada (CSA), IECEX (PTB)
Installation	in Zone 2, Division 2 and in safe areas	in Zone 2, Division 2 and in safe areas
Further information	See relevant certificate and operating instructions	See relevant certificate and operating instructions
Ambient Conditions		
Ambient temperature	-20 °C ... 60 °C	-20 °C ... 60 °C
Storage temperature	-20 °C ... 75 °C	-20 °C ... 75 °C

Technical Data

Variant	9004/01	9004/51
Mechanical Data		
Degree of protection (IP)	IP40	IP40
Degree of protection (IP) terminals	IP20	IP20
Enclosure material	Polyamide 6GF	Polyamide 6GF
Number of connection terminals	4	4
Connection cross-section max.	1.5 mm ²	1.5 mm ²
Type of connection cable	Finely stranded Solid	Finely stranded Solid

Technical Drawings – Subject to Alterations



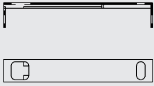
Accessories

Figure	Description	Art. No.	Weight
Terminal block			
	Phoenix Contact terminal block UT 4-PE	113057	1 g
	Phoenix Contact terminal block UT 6-PE	113058	1 g
Adaptor			
	The adaptor enables a safety barrier to be installed on a clamping base (Art. No. 165283) or mounting plate from a previous series.	158826	6 g
Clamping base, moulded material			
	Enables the safety barrier to be mounted on a G-rail. The safety barrier is mounted using the adaptor (Art. No. 158826).	165283	4 g
Fuse holder			
	The fuse holder is snapped onto the side of a safety barrier and can be equipped with up to five back-up fuses (replacement).	158834	20 g

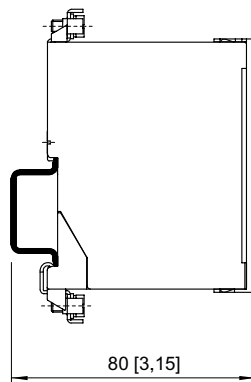
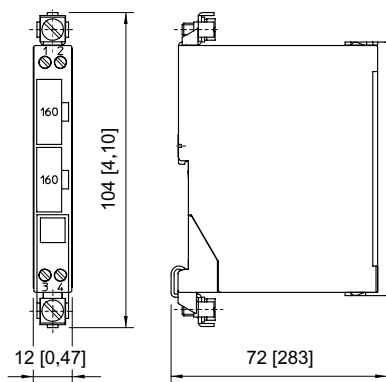
Spare Parts

Figure	Description	Art. No.	Weight
Back-up fuse			
	For all series 9001, 9002 and 9004 safety barriers Packaging unit: 5 pieces	158964	8 g

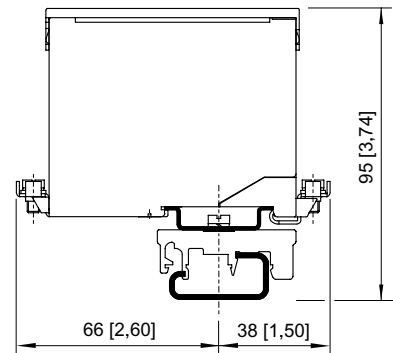
Spare Parts

Figure	Description	Art. No.	Weight
Label carrier			
	Transparent cover for the label	158977	2 g

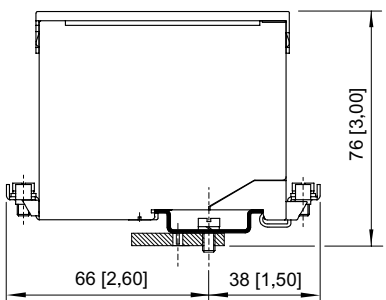
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



mounted on the NS 35/15 mounting rail



mounted on the NS 32 mounting rail with adaptor and clamping base made of moulded material



installed on mounting plate with adaptor