



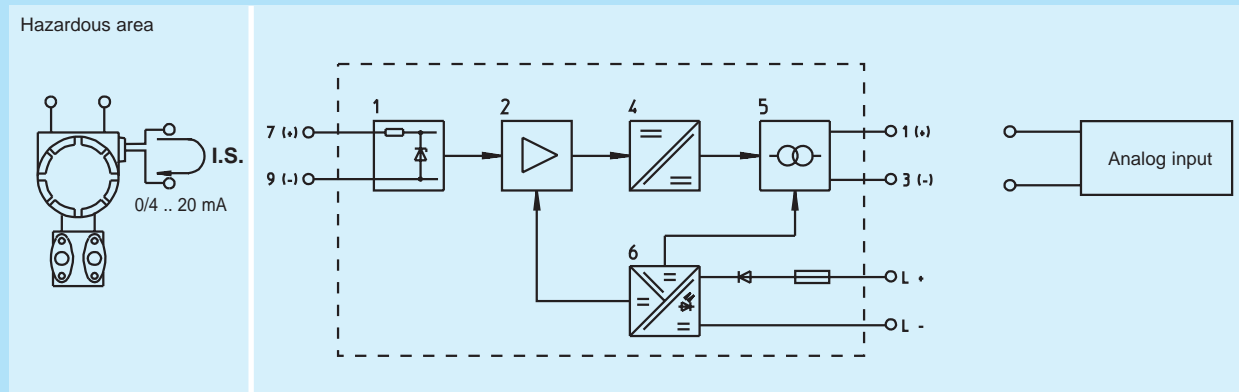
LED-Indication power supply

### I.S. Isolators (DIN Rail Mounting) mA Isolating Repeater Type 9318/11

- Intrinsically safe input [EEx ia] IIC
- For signals 4 .. 20 mA or 0 .. 20 mA
- Galvanic isolation between input, output and power supply
- Open-circuit detection
- Power supply 18 .. 35 V DC
- Installation in Zone 2 (Div 2) possible
- EMC tested, CE marking



Basic function: analog input, 0/4 .. 20 mA, 1 channel.  
The isolating repeaters are suitable for intrinsically safe operation of 3- and 4-wire transmitters.



**Selection table**

Version	Ordering code
Intrinsically safe input	9318 / 11 - 11 - 10

**Safety Data**

Certifications	BVS (Europe, CENELEC), CSA (Canada), SEV (Switzerland), FTZU (Czech Republic), BKI (Hungary), KDB (Poland), VNIIEF (Russia), FM (USA)
Marking	[EEx ia] IIC/IIB according to CENELEC
Classification	associated electrical apparatus

**Safe maximum values (CENELEC)**

For connection to certified intrinsically safe circuits with max. values 30 V, 110 mA.

Internal capacitance $C_i$	~	0
Internal inductance $L_i$	~	0

Further information and combinations of values, see certifications

**Technical data**

**Power supply**

Rated voltage $U_N$	24 V DC
Voltage range	18 .. 35 V
Rated current (for $U_N$ , $I_L = 20$ mA) $I_N$	52 mA
Max. power consumption	1.25 W
Polarity reversal protection	yes

**Signal transmission**

Current range	$I_L = I_E$	0 .. 22 mA
Response time (10 .. 90%)	$\leq$	25 ms

**Input**

Input resistance	50 $\Omega$
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**Output**

Load resistance	$R_L \leq$	750 $\Omega$
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**Open-circuit**

Open-circuit on I.S. input	$I_E =$	0 mA
Output behaviour on open circuit	$I_L =$	0 mA

**Error limits**

Tolerance band setting, in % of the measuring range		
Linearity error at $U_N$ , 23 °C	$\leq$	0.1 %
Temperature effect	$\leq$	0.1 % / 10 K

Dimensions (Casing type A), mechanical data, ambient conditions and accessories see page 3/58f.