

- Slim design – 12 mm width
- Choice of circuitry of coil and contact between Ex i or non-Ex i (Ex e)
- Integrated fuse for contact and coil circuit integrated

A3

MY R. STAHL 9177A



The Ex i/Ex e relay module type 9177 is an automation solution for hazardous areas in Zone 1, 2, 21 and 22 and in safe areas and permits galvanically separated switching of intrinsically safe (Ex i) and non-intrinsically safe (non-Ex i) electrical circuits. Both Ex i and non-Ex i electrical circuits can be connected to its coil and contact connections. Thanks to the integrated fuse for the contact and coil circuit, additional integrated fuse is not necessary.

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

Selection Table

Number of channels	1		
Output (contact)	Product Type	Art. No.	Weight
Ex i or non-Ex i (Ex e)	9177/12-11-01	273000	110 g

Technical Data

Explosion Protection	
IECEX gas explosion protection	Ex eb mb [ia Ga] IIC T4 Gb
IECEX dust explosion protection	[Ex ia Da] IIIC
ATEX gas explosion protection	Ⓔ II 2 (1) G Ex eb mb [ia Ga] IIC T4 Gb
ATEX dust explosion protection	Ⓔ II (1) D [Ex ia Da] IIIC
Certificates	ATEX (TUR), IECEx (TUR), Korea (KTL)
Declaration of conformity	ATEX (EUK)
Further information	Other Ex markings (see operating instructions)
Safety Data	
Max. voltage U_i (coil)	32 V DC
Max. current I_i (coil)	Internally limited
Internal capacitance C_i (coil)	≈ 0 nF
Internal inductance L_i (coil)	≈ 0 mH
Max. safety voltage U_m (coil)	60 V DC
Max. voltage U_j (contact)	253 V AC 125 V DC
Max. current I_j (contact)	≤ 2 A

Technical Data

Safety Data

Internal capacitance C_i (contact)	≈ 0 nF
Internal inductance L_i (contact)	≈ 0 mH
Max. safety voltage U_m (contact)	253 V AC 125 V DC

Input

Voltage range input X1	18 to 32 V DC
Input voltage for ON	> 17.5 V
Input voltage for OFF	< 3 V

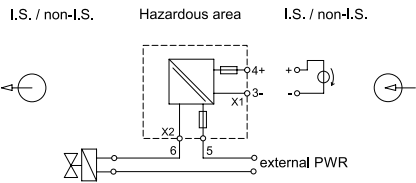
Ambient Conditions

Ambient temperature	-40 °C ... 70 °C
Note	Temperature reduction depending on mounting (see operating instructions)

Mounting / Installation

Mounting type	DIN rail NS35/15, NS35/7.5
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Technical Drawings – Subject to Alterations



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

