



- With 8 zero-potential relay contacts
- Ex ec outputs with a high switching capacity up to 100 VA
- Module in Zone 2, Cl. I, Div. 2 can be hot swapped

06 b

## MY R. STAHL 9477B



The 9477/15 series digital output module relay for Zone 2, Cl. I, Div. 2 has eight channels for operating non-intrinsically safe solenoid valves with a high switching capacity. Zero-potential relay contacts (normally open contacts) are available as outputs in Ex ec connection technology. Operation in combination with Ex i I/O modules is permissible.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface		•				
Installation in		•				

	CE Code Section 18					
	NEC® 505			NEC® 506		
	Class I					
Zone	0	1	2	20	21	22
Ex interface			•			•
Installation in			•			

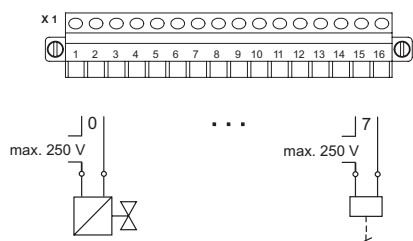
	IECEX / ATEX					
	Class I					
Zone	0	1	2	20	21	22
Ex interface			•			•
Installation in			•			

Selection Table						
Installation	Zone 2, Zone 22, Cl I, Div. 2					
Number of channels	Max. switching voltage	Max. switching current	Product Type	Art. No.	Weight	
8 Ex e outputs	250 V AC	2 A	9477/15-08-12	168694	321 g	
Please order terminal separately - see accessories						

Technical Data	
Explosion Protection	
FMus certificate	FM17US0332X
cFM certificate	FM16CA0134X
Marking cFMus	NI, Class I, Div. 2, Groups A,B,C,D; Class I, Zone 2, Group IIC T4 at Ta = 65 °C See Doc. 9477 6 031 002 1
IECEX gas explosion protection	Ex nA nC ic [ib Gb] IIC T4 Gc
Certificates	ATEX (PTB), Canada (FM), IECEX (PTB), USA (FM)
Ship approval	ABS, BVIS, EU RO MR (DNV), KR, LR
Electrical Data	
Behaviour during undervoltage	All outputs "OFF"
Current consumption	200 mA
Max. power consumption	4.8 W
Max. power dissipation outputs	4.8 W
Contact version	NO
Min. switching voltage	5 V AC/DC

Technical Data	
Electrical Data	
Min. switching current	2 mA
Auxiliary Power	
Behaviour during undervoltage	All outputs "OFF"
Current consumption	200 mA
Max. power consumption	4.8 W
Max. power dissipation outputs	4.8 W
Output	
Contact version	NO
Min. switching voltage	5 V AC/DC
Min. switching current	2 mA
Ambient Conditions	
Ambient temperature °F	-4°F ... +149°F
Ambient temperature °C	-20°C ... +65°C
Storage temperature °F	-40°F ... +158°F
Storage temperature °C	-40°C ... +70°C

### Technical Drawings – Subject to Alterations




Connection

### Accessories

Figure	Description	Art. No.	Weight
DIN A4 sheet			
	For label plate on I/O modules; 6 plates per sheet; IS Wizard printout; packaging unit = 20 sheets	162832	1 g
Labelling strips			
	"FB Addr ... Mod No ..." for pluggable terminal, 26 pieces on the sheet	162788	1 g
Pluggable terminal			
	2.5 mm <sup>2</sup> with lock, 16-pin, screw connector, black, for connecting the field signals to I/O modules, for non-intrinsically safe field circuits Version with warning label Labelling: 1 to 16	162704	1 g
	2.5 mm <sup>2</sup> with lock, 16-pin, spring clamp connection, black, for connecting the field signals to I/O modules, for non-intrinsically safe field circuits, incl. test jacks Version with warning label Labelling: 1 to 16	162706	1 g

**Accessories**

Figure	Description	Art. No.	Weight
	For mounting between intrinsically safe and non-intrinsically safe connections between I/O modules to maintain a tight string length of 50 mm	220101	10 g

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

