



- 4 channels for Ex i hydraulic and solenoid valves up to 95 mA
- Ex ib outputs with line fault monitoring, an LED fault and status display for each channel and SIL2 shutdown input
- Modules in Zone 1 can be replaced without having to disconnect the power supply (i.e. hot-swapped)

A4

MY R. STAHL 9475F



The 9475/32-04-72 digital output modules for Zone 1 have four channels for actuating Ex i hydraulic and solenoid valves or indicator lamps. An additional Ex i control input is suitable for safe shutdown up to SIL 2. All outputs are short-circuit proof, galvanically separated from the system and individually monitored to check for wire breakage/short-circuiting.

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

	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 Class I			NEC® 506		
Zone	0	1	2	20	21	22
Ex interface		•	•			
Installation in		•	•			

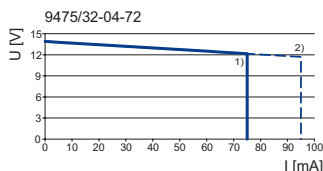
Selection Table						
Product variant	Digital output module with "Plant STOP"					
Installation	Zone 1, Zone 2 and safe areas					
Open-circuit voltage U_o	Ex i output rated operation	Internal resistance of outputs	Product Type	Art. No.	Weight	
13.8 V	12.3 V/75 mA 11.7 V/95 mA	23.2 Ω	9475/32-04-72	218063	275 g	

Please order terminals separately – see accessories and spare parts

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex ia [ib Gb] IIC T4 Gb
IECEX dust explosion protection	[Ex ib Db] IIIC
ATEX gas explosion protection	Ⓔ II 2 (2) G Ex ia [ib Gb] IIC T4 Gb
ATEX dust explosion protection	Ⓔ II (2) D [Ex ib Db] IIIC
Ship approval	ABS, BVIS, EU RO MR (DNV), KR, LR
Declaration of Conformity	ATEX (EUK), China (CCC)
Safety Data	
Max. voltage U_o	15.4 V
Max. current I_o (Ex ib)	115.4 mA
Max. power P_o (Ex ib)	1475 mW
Auxiliary Power	
Current consumption	250 mA
Max. power consumption	6 W
Max. power dissipation outputs	5.8 W

Technical Data	
Input	
Control input	Ex i control input X3
Control input suitability	Shutdown up to SIL 2, low demand (IEC 61508)
Control input function	"Plant STOP" for switching off all outputs
Output	
Ex i output rated operation	12.3 V/75 mA 11.7 V/95 mA
Ambient Conditions	
Ambient temperature	-40°C ... +75°C
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP20
Width	96.5 mm
Height	67 mm
Length	128 mm

Technical Drawings – Subject to Alterations

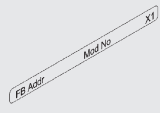



9475/32-04-72 output characteristic



Accessories

Figure	Description	Art. No.	Weight
Pluggable terminal			
	2.5 mm ² with lock, 16-pin, screw connector, blue, for connecting the field signals to I/O modules, for intrinsically safe field circuits Labelling: 1 to 16 Note: A second terminal is additionally required for I/O module Series 9470 and 9482 Labelling: 17 to 32	162702	28 g
	2.5 mm ² with lock, 16-pin, spring clamp connection, blue, for connecting the field signals to I/O modules, for intrinsically safe field circuits, incl. test jacks Labelling: 1 to 16 Note: A second terminal is additionally required for I/O module Series 9470 and 9482 Labelling: 17 to 32	162695	28 g
	Partition 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
	Warning label "Clean modules only with a damp cloth."	162796	1 g
	DIN A4 sheet For label plate on I/O modules; 6 plates per sheet; IS Wizard printout; packaging unit = 20 sheets	162832	1 g

Accessories

Figure	Description	Art. No.	Weight
Labelling strips			
	"FB Addr ... Mod No ..." for pluggable terminal, 26 pieces on the sheet	162788	1 g
Vibration bracket set			
	When installed in environments with extreme vibration (> 0.7 g and max. 4 g), the 9490 vibration brackets may be used as an additional measure and provide mechanical stability for the individual modules. For mounting: All I/O modules, except 9477/12 and 9478 Number of brackets in a set: 8 Screws (item no. 275516) must be ordered separately.	271920	-
Set of screws			
	Set of M5 x 14 screws (self-tapping) for 9490 vibration brackets Number of screws in a set: 25	275516	-

Spare Parts

Figure	Description	Art. No.	Weight
Ex i LED indicator lamp			
	8010/3-02 LED indicator lamp for intrinsically safe circuits, Ex i	237972	35 g
LED indicator lamp for front installation			
	for Ex i front installation	240901	30 g

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

