

## Isolating switch amplifier

Transforms a NAMUR-Signal into relay-output  
Current source acc. to DIN 19234 for binary sensor or mech. switch  
Snap-on housing for rail-mounting  
1- or 2-channel types

Product group **740**

Type **1061/62**

Sheet: 1/1 Revision: 2

Date: 8/03

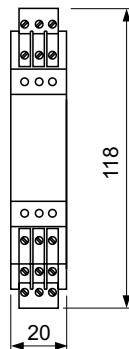
1-channel



representative picture

Type: .1061

115  
depth



Measures in mm

### Field of Application

These switch amplifiers are for transmitting a binary signal e. g. from hazardous areas into safe areas. The output relays with SPDT can be used to switch loads.

### General Data

	.1061	.1062
Switching sequence:	≤ 10 Hz	20 Hz
Switch cycle lifetime:	10 <sup>8</sup>	2 · 10 <sup>7</sup>
Material housing:	Makrolon	Makrolon
Dimensions:	115x118x20	107x102x22
Weight:	ca. 150 g	ca. 150 g

### Design Data

	.1061	.1062
Temperature ambient:	-20...+60 °C	-25...+60 °C
For Ex-classification:	EEx ia IIB/C	EEx ia IIC
C <sub>a</sub> :	2100/590 nF	581 nF
L <sub>a</sub> :	5/3 mH	2 mH
For Ex-classification:	EEx ib IIB/C	EEx ib IIC
C <sub>a</sub> :	20/2,9 μF	2500 nF
L <sub>a</sub> :	360/100 mH	46 mH
U <sub>0</sub> :	10,6 V	11 V
I <sub>0</sub> :	19 mA	26 mA
P <sub>0</sub> :	51 mW	72 mW

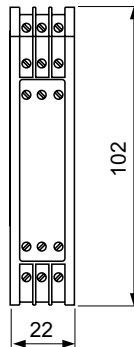
2-channel



representative picture

Type: .1062

107  
depth



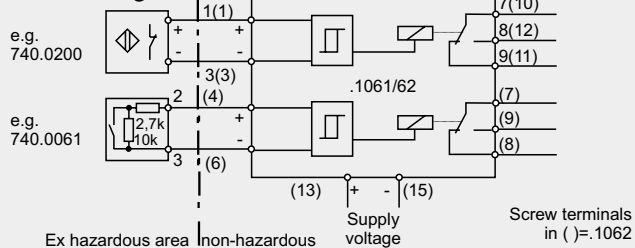
Measures in mm

### Electrical Data

Ingress protection: IP 20  
Connection: Screw terminals 2,5 mm<sup>2</sup>

	.1061	.1062
Supply voltage:	see ordering no.	
Power drain:	≤ 1,3 W	0,55 W/ch.
<b>Input, Exi</b>	DIN 19234	DIN 19234
Supply:	ca. 8 V/8 mA	8,5 V/8,5 mA
OFF-current:	≤ 1,2 mA	≤ 1,55 mA
ON-current:	≥ 2,1 mA	≥ 1,75 mA
<b>Output</b>	AC/DC	AC/DC
Switch voltage:	253 V/40 V	250 V/250 V
Switch current:	2 A/2 A	3 A/3 A
Rupturing capacity:	- 100 VA/100 W	

### Connection diagram



### Certificates

	.1061	.1062
PTB-Nr.:	Ex-95.C.2084	Ex-94.C.2086

Subject to alterations

Ordering no.

740.106XX

1	230 VAC	power supply
2	115 VAC	
3	24 VAC	
4	24 VDC	
1	1-channel	
2	2-channel	

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