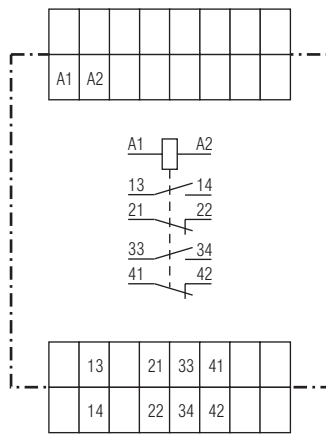
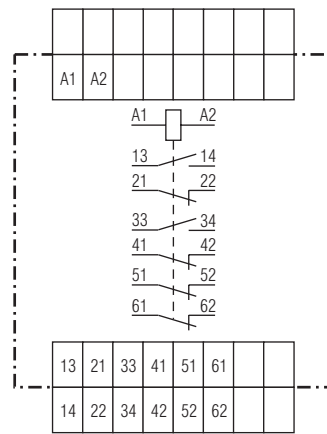


- According to IEC/EN 60 255, IEC/EN 61 810-1
- **Devices available in 2 enclosure versions:**
  - IP 3078:** depth 61 mm, with terminals at the bottom for installation systems and industrial distribution systems according to DIN 43 880
  - SP 3078:** depth 100 mm, with terminals at the top
- Positively driven contacts according to EN 50 205
- Max. 6 output contacts
- High thermal current  $I_{th} = 8 A$
- LED for operating state
- Width 70 mm

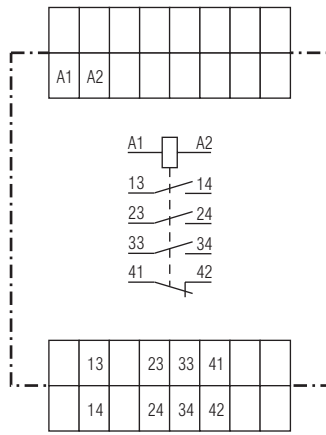
### Circuit diagrams



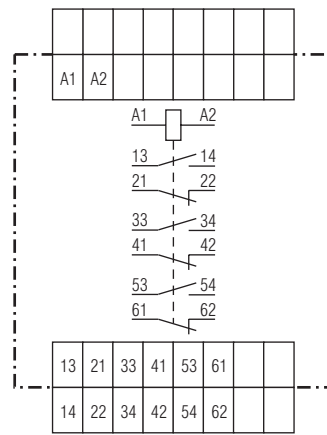
IP 3078.52, SP 3078.52



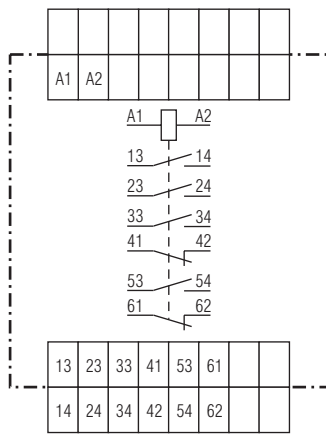
IP 3078.50, SP 3078.50



IP 3078.48, SP 3078.48



IP 3078.18, SP 3078.18



IP 3078.54, SP 3078.54

### Approvals and marking



### Indication

LED comes on when operating voltage present

### Technical data

#### Input

<b>Nominal voltage <math>U_N</math>:</b>	AC/DC 24 V AC 220 ... 240 V
<b>Voltage range:</b>	0,8 ... 1,1 $U_N$
<b>Nominal consumption:</b>	1 W / 2 VA
IP 3078.52, SP 3078.52:	1,5 W / 4 VA
IP 3078.18, SP 3078.18:	50 / 60 Hz
<b>Nominal frequency:</b>	$\pm 5\%$ of nominal frequency
<b>Frequency range:</b>	

#### Output

#### Contacts

IP 3078.52, SP 3078.52:	2 NO and 2 NC contacts
IP 3078.50, SP 3078.50:	2 NO and 4 NC contacts
IP 3078.48, SP 3078.48:	3 NO and 1 NC contacts
IP 3078.18, SP 3078.18:	3 NO and 3 NC contacts
IP 3078.54, SP 3078.54:	4 NO and 2 NC contacts

#### Response time:

typ. 25 ms

#### Release time:

typ. 20 ms

#### Contact type:

Spring contact

#### Nominal output voltage:

min. UC 10 V  
max. DC 250 V, AC 400 V

#### Thermal current $I_{th}$ :

4 x 8 A  
(see continuous current limit curve)

#### Switching capacity

to AC 15:	5 A / AC 230 V	IEC/EN 60 947-5-1
	for NO contact	
	2 A / AC 230 V	IEC/EN 60 947-5-1
	for NC contact	

#### Electrical life

to AC 15 at 2 A, AC 230 V: 2,5 x 10<sup>5</sup> switching cycles

#### Permissible switching frequency:

max. 36 000 switching cycles / h

#### Mechanical life:

$\geq 30 \times 10^6$  switching cycles

### General data

#### Operating mode:

Continuous operation

#### Temperature range:

- 20 ... + 60 °C

#### Clearance and creepage distances

overvoltage category /  
contamination level:

4 kV / 2

IEC 60 664-1

## Technical data

### EMC

Electrostatic discharge:	8 kV (air)	IEC/EN 61 000-4-2
HF irradiation:	10 V / m	IEC/EN 61 000-4-3
Fast transients:	2 kV	IEC/EN 61 000-4-4

Surge voltages  
between

wires for power supply:	2 kV	IEC/EN 61 000-4-5
between wire and ground:	4 kV	IEC/EN 61 000-4-5
Interference suppression:	Limit value class B	EN 55011

### Degree of protection:

Housing:	IP 40	IEC/EN 60 529
Terminals:	IP 20	IEC/EN 60 529

### Housing:

Thermoplastic with V0 behaviour  
according to UL subject 94

### Vibration resistance:

Amplitude 0,35 mm IEC/EN 60 068-2-6  
frequency 10 ... 55 Hz

### Climate resistance:

20 / 060 / 04 IEC/EN 60 068-1

### Terminal designation:

EN 50 005

### Wire connection:

2 x 2,5 mm<sup>2</sup> solid or  
2 x 1,5 mm<sup>2</sup> stranded ferruled  
DIN 46 228-1/-2/-3/-4

### Wire fixing:

Captive terminal screw M3,5  
clamping piece as per  
IEC 60 664-1 / IEC/EN 60 999-1

### Mounting:

DIN rail IEC/EN 60 715

### Weight

IP 3078:	225 g
SP 3078:	274 g

## Dimensions

### Width x height x depth

IP 3078:	70 x 90 x 61 mm
SP 3078:	70 x 90 x 100 mm

## Standard type

### IP 3078.52 AC/DC 24 V

Article number:	0043971
• Output:	2 NO, 2 NC contacts
• Nominal voltage $U_N$ :	AC/DC 24 V
• Width:	70 mm

### IP 3078.52 AC/DC 24 V

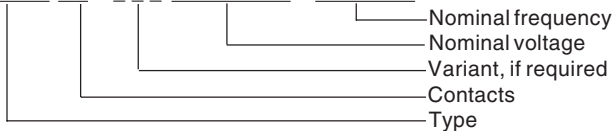
Article number:	0054717
• Output:	2 NO, 2 NC contacts
• Nominal voltage $U_N$ :	AC/DC 24 V
• Width:	70 mm

## Variant

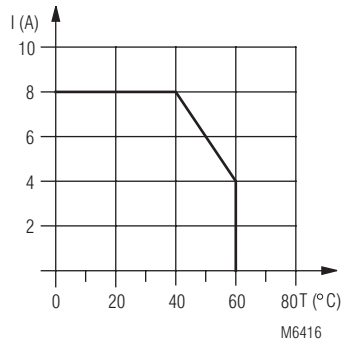
IP 3078.52/107:	to be used in voltage system changeover control IX 9100 0,5 or 15 sec according to DIN VDE 0100-710 for medically used rooms. See also project folder P1 "Medically used rooms"
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## Ordering example for Variant

IP 3078 .52 / - - AC/DC 24 V 50 / 60 Hz



## Characteristics



Continuous current limit curve