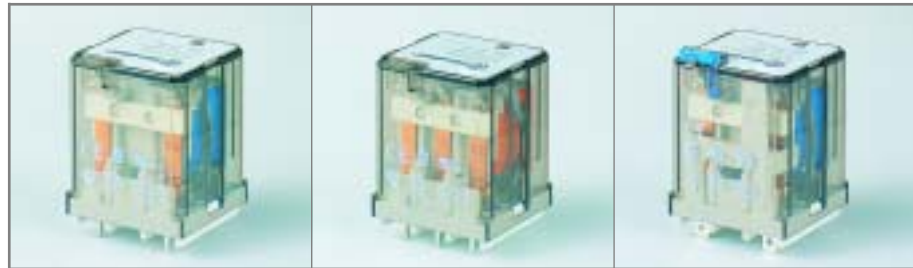


- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)

### 62.22

### 62.23

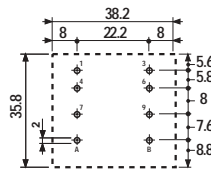
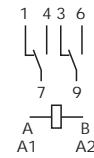
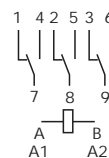
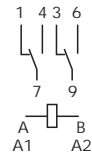
### 62.32



- 2 pole  
- P.C.B. mounting

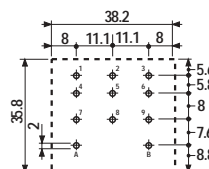
- 3 pole  
- P.C.B. mounting

- 2 pole  
- Faston 187 (4.8x0.5)mm  
- Plug-in use 92 Series socket



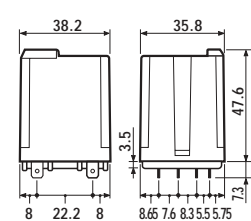
Copper side view

h = 49.1 mm



Copper side view

h = 49.1 mm



#### Contact specifications

Contact configuration		2 CO	3 CO	2 CO
Rated current/Maximum peak current	A	16/30	16/30	16/30
Rated voltage/Maximum switching voltage	V AC	250/400	250/400	250/400
Rated load in AC1	VA	4,000	4,000	4,000
Rated load in AC15 (230 VAC)	VA	750	750	750
Single phase motor rating (230 VAC)	kW	0.8	0.8	0.8
Breaking capacity in DC1: 30/110/220V	A	16/0.6/0.4	16/0.6/0.4	16/0.6/0.4
Minimum switching load	mW (V/mA)	1,000 (10/10)	1,000 (10/10)	1,000 (10/10)
Standard contact material		AgCdO	AgCdO	AgCdO

#### Coil specifications

Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	6 · 12 · 24 · 48 · 60 · 110 · 120 · 230 · 240		
	V DC	6 · 12 · 24 · 48 · 60 · 110		
Rated power AC/DC	VA (50 Hz)/W	2.2/1.3	2.2/1.3	2.2/1.3
Operating range	AC (50 Hz)	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
	DC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
Holding voltage	AC/DC	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>

#### Technical data

Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>
Operate/release time (bounce included)	ms	20/20	20/20	20/20
Insulation according to EN 61810-5		4kV/3	4kV/3	4kV/3
Insulation between coil and contacts (1.2/50μs)	kV	6	6	6
Dielectric strength between open contacts	V AC	1,500	1,500	1,500
Ambient temperature range	°C	-40...+70	-40...+70	-40...+70
Environmental protection		RT I	RT I	RT I

Approvals: (according to type)



- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)

	62.33	62.82	62.83
	- 3 pole - Faston 187 (4.8x0.5)mm - Plug-in use 92 Series socket	- 2 pole - Faston 250 (6.3x0.8)mm with flange mount	- 3 pole - Faston 250 (6.3x0.8)mm with flange mount
<b>Contact specifications</b>			
Contact configuration	3 CO	2 CO	3 CO
Rated current/Maximum peak current A	16/30	16/30	16/30
Rated voltage/Maximum switching voltage V AC	250/400	250/400	250/400
Rated load in AC1 VA	4,000	4,000	4,000
Rated load in AC15 (230 VAC) VA	750	750	750
Single phase motor rating (230 VAC) kW	0.8	0.8	0.8
Breaking capacity in DC1: 30/110/220V A	16/0.6/0.4	16/0.6/0.4	16/0.6/0.4
Minimum switching load mW (V/mA)	1,000 (10/10)	1,000 (10/10)	1,000 (10/10)
Standard contact material	AgCdO	AgCdO	AgCdO
<b>Coil specifications</b>			
Nominal voltage (U <sub>N</sub> ) V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240		
V DC	6 - 12 - 24 - 48 - 60 - 110		
Rated power AC/DC VA (50 Hz)/W	2.2/1.3	2.2/1.3	2.2/1.3
Operating range AC (50 Hz)	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
DC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
Holding voltage AC/DC	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>
Must drop-out voltage AC/DC	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>
<b>Technical data</b>			
Mechanical life AC/DC cycles	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>
Electrical life at rated load AC1 cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>
Operate/release time (bounce included) ms	20/20	20/20	20/20
Insulation according to EN 61810-5	4 kV/3	4 kV/3	4 kV/3
Insulation between coil and contacts (1.2/50μs) kV	6	6	6
Dielectric strength between open contacts V AC	1,500	1,500	1,500
Ambient temperature range °C	-40...+70	-40...+70	-40...+70
Environmental protection	RT I	RT I	RT I
<b>Approvals:</b> (according to type)			

- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)

### 62.22 - 0300

### 62.23 - 0300

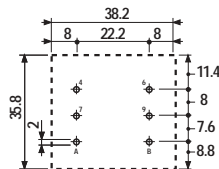
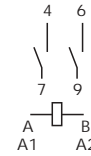
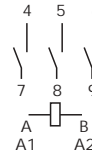
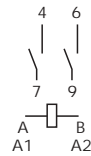
### 62.32 - 0300



- 2 NO (3mm contact gap)  
- P.C.B. mounting

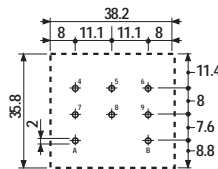
- 3 NO (3mm contact gap)  
- P.C.B. mounting

- 2 NO (3mm contact gap)  
- Faston 187 (4.8x0.5)mm  
- Plug-in use 92 Series socket



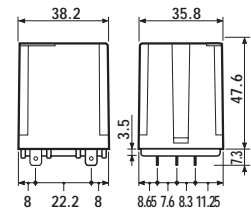
Copper side view

h = 51.1 mm



Copper side view

h = 51.1 mm



\* Distance between contacts >3mm (EN 60335-1)

<b>Contact specifications</b>				
Contact configuration		2 NO 3 mm*	3 NO 3 mm*	2 NO 3 mm*
Rated current/Maximum peak current	A	16/30	16/30	16/30
Rated voltage/Maximum switching voltage	V AC	250/400	250/400	250/400
Rated load in AC1	VA	4,000	4,000	4,000
Rated load in AC15 (230 VAC)	VA	750	750	750
Single phase motor rating (230 VAC)	kW	0.8	0.8	0.8
Breaking capacity in DC1: 30/110/220V	A	16/1.1/0.7	16/1.1/0.7	16/1.1/0.7
Minimum switching load	mW (V/mA)	1,000 (10/10)	1,000 (10/10)	1,000 (10/10)
Standard contact material		AgCdO	AgCdO	AgCdO
<b>Coil specifications</b>				
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	6 · 12 · 24 · 48 · 60 · 110 · 120 · 230 · 240		
	V DC	6 · 12 · 24 · 48 · 60 · 110		
Rated power AC/DC	VA (50 Hz)/W	3/3	3/3	3/3
Operating range	AC (50 Hz)	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>
	DC	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>
Holding voltage	AC/DC	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>
<b>Technical data</b>				
Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>
Operate/release time (bounce included)	ms	30/—	30/—	30/—
Insulation according to EN 61810-5		4kV/3	4kV/3	4kV/3
Insulation between coil and contacts (1.2/50μs)	kV	6	6	6
Dielectric strength between open contacts	V AC	2,500	2,500	2,500
Ambient temperature range	°C	-40...+50	-40...+50	-40...+50
Environmental protection		RT I	RT I	RT I
<b>Approvals:</b> (according to type)				

- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)

### 62.33 - 0300

### 62.82 - 0300

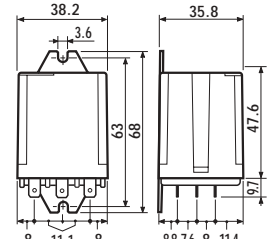
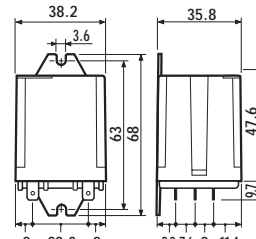
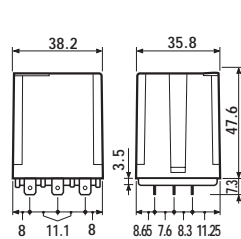
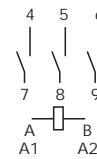
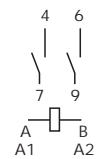
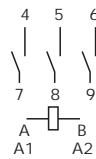
### 62.83 - 0300



- 3 NO (3mm contact gap)
- Faston 187 (4.8x0.5)mm
- Plug-in use 92 Series socket

- 2 NO (3mm contact gap)
- Faston 250 (6.3x0.8)mm with flange mount

- 3 NO (3mm contact gap)
- Faston 250 (6.3x0.8)mm with flange mount



\* Distance between contacts >3mm (EN 60335-1)

Contact specifications		62.33 - 0300	62.82 - 0300	62.83 - 0300						
Contact configuration		3 NO 3 mm*	2 NO 3 mm*	3 NO 3 mm*						
Rated current/Maximum peak current	A	16/30	16/30	16/30						
Rated voltage/Maximum switching voltage	V AC	250/400	250/400	250/400						
Rated load in AC1	VA	4,000	4,000	4,000						
Rated load in AC15 (230 VAC)	VA	750	750	750						
Single phase motor rating (230 VAC)	kW	0.8	0.8	0.8						
Breaking capacity in DC1: 30/110/220V	A	16/1.1/0.7	16/1.1/0.7	16/1.1/0.7						
Minimum switching load	mW (V/mA)	1,000 (10/10)	1,000 (10/10)	1,000 (10/10)						
Standard contact material		AgCdO	AgCdO	AgCdO						
Coil specifications		6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240								
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)									
	V DC	6 - 12 - 24 - 48 - 60 - 110								
Rated power AC/DC	VA (50 Hz)/W	3/3	3/3	3/3						
Operating range	AC (50 Hz)	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>						
	DC	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>						
Holding voltage	AC/DC	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>	0.8 U <sub>N</sub> /0.6 U <sub>N</sub>						
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>						
Technical data										
Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>						
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>						
Operate/release time (bounce included)	ms	30/—	30/—	30/—						
Insulation according to EN 61810-5		4 kV/3	4 kV/3	4 kV/3						
Insulation between coil and contacts (1.2/50μs)	kV	6	6	6						
Dielectric strength between open contacts	V AC	2,500	2,500	2,500						
Ambient temperature range	°C	-40...+50	-40...+50	-40...+50						
Environmental protection		RT I	RT I	RT I						
<b>Approvals:</b> (according to type)										

## ORDERING INFORMATION

Example: a 62 series power relay + FASTON 250 rear flange mount (6.3 x 0.8 mm) with 2 NO contacts, coil rated at 12 V DC.

<b>6 2 . 8 2 . 9 . 0 1 2 . 0 3 0 0</b>	<p><b>Series</b></p> <p><b>Type</b>                  2 = P.C.B.                  3 = Plug-in                  8 = Faston 250 (6.3x0.8 mm) with rear flange mount</p> <p><b>No. of poles</b>                  2 = 2 pole                  3 = 3 pole</p> <p><b>Coil version</b>                  8 = AC (50/60 Hz)                  9 = DC</p> <p><b>Coil voltage</b>                  see coil specifications</p>	<p><b>A: Contact material</b>                  0 = Standard AgCdO                  4 = AgSnO<sub>2</sub></p> <p><b>B: Contact circuit</b>                  0 = CO                  3 = NO (≥ 3 mm contact gap)                  5 = CO version with coil to contacts SELV insulation                  6 = NO (≥ 3 mm contact gap) version with coil to contacts SELV insulation</p>	<p><b>D: Special versions</b>                  0 = Standard                  5 = Top flange mount                  6 = Rear flange mount                  7 = Top 35 mm rail mount                  8 = Rear 35 mm rail mount                  9 = Type 62.82/83 without rear flange mount</p> <p><b>C: Options</b>                  0 = None                  2 = Mechanical indicator                  3 = LED (AC)                  4 = Lockable test button + mechanical indicator                  5 = Lockable test button + LED (AC)                  54 = Lockable test button + LED (AC) + mechanical indicator                  6 = LED + diode (DC polarity positive to pin A/A1)                  7 = Lockable test button + LED + diode (DC polarity positive to pin A/A1)                  74 = Lockable test button + LED + diode (DC polarity positive to pin A/A1) + mechanical indicator</p>
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62

### Only combinations in the same row are possible

Preferred versions

	coil version	A	B	C	D
62.22/23	AC-DC	0	0	0	0
62.32/33	AC-DC	0	0	4	0
62.82/83	AC-DC	0	0	0	0

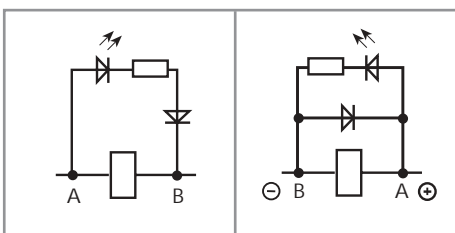
All versions

	coil version	A	B	C	D
62.22/23	AC-DC	0 - 4	0 - 3 - 5 - 6	0	0
62.32/33	AC-DC	0 - 4	0 - 3 - 5 - 6	0	0 - 5 - 6 - 7 - 8
	AC-DC	0 - 4	5	2 - 4	0 - 6 - 8
	AC	0 - 4	0	2 - 3 - 4 - 5	0 - 6 - 8
	AC	0 - 4	3	3	0 - 6 - 8
	AC	0 - 4	0	54	/
	DC	0 - 4	0	4 - 6 - 7	0 - 6 - 8
	DC	0 - 4	3	6	0 - 6 - 8
	DC	0 - 4	0	74	/
62.82/83	AC-DC	0 - 4	0 - 3 - 5 - 6	0	0 - 5 - 7 - 8 - 9
	AC-DC	0 - 4	5	2 - 4	0 - 8
	AC	0 - 4	0	2 - 3 - 4 - 5	0 - 8
	AC	0 - 4	3	3	0 - 8
	DC	0 - 4	0	4 - 6 - 7	0 - 8
	DC	0 - 4	3	6	0 - 8

## POSSIBLE OPTIONS

AC

DC

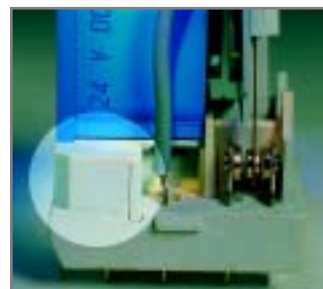


Option = 0030  
0050

Option = 0060  
0070



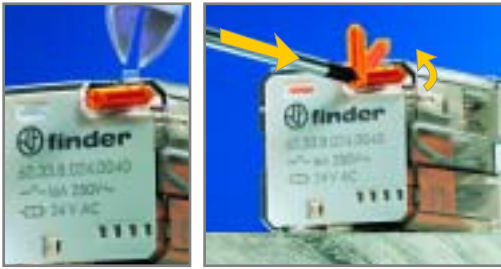
Option = 0005  
TOP MOUNT FLANGE



Option = 0500 and 0600  
COIL TO CONTACTS PHYSICAL SEPARATOR FOR SELV APPLICATIONS

### ACCESSORIES

060.72: Sheet of marker tags see page 70.



### LOCKABLE TEST BUTTON AND MECHANICAL FLAG INDICATOR (0040)

The dual-purpose Finder test button can be used in two ways:

**Case 1)** The plastic pip (located directly above the test button) remains intact. In this case, when the test button is pushed, the contacts operate. When the test button is released the contacts return to their former state.

**Case 2)** The plastic pip is broken-off (using an appropriate cutting tool). In this case, (in addition to the above function), when the test button is pushed and rotated, the contacts are latched in the operating state, and remain so until the test button is rotated back to its former position. In both cases ensure that the test button actuation is swift and decisive.

## TECHNICAL DATA

### INSULATION

INSULATION according to EN 61810-5	insulation rated voltage	V	400
	rated impulse withstand voltage	kV	4
	pollution degree		3
	overvoltage category		III

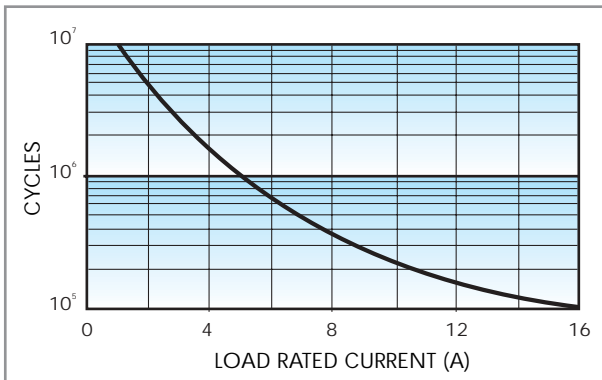
### IMMUNITY

CONDUCTED DISTURBANCE IMMUNITY	BURST (according to EN 61000-4-4) level 4 (4 kV)
	SURGE (according to EN 61000-4-5) level 4 (4kV)

### OTHER DATA

VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	5/3				
POWER LOST TO THE ENVIRONMENT		<b>2 CO</b>	<b>3 CO</b>	<b>2 NO</b>	<b>3 NO</b>	
	without contact current	W	1.3	1.3	3	3
	with rated current	W	3.3	4.3	5	6
RECOMMENDED DISTANCE between RELAYS mounted on P.C.B.s	mm	≥5				

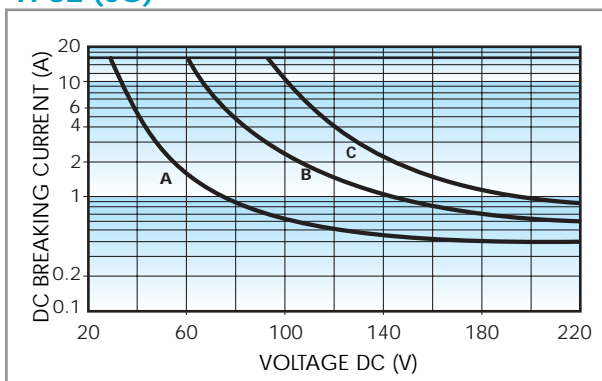
## CONTACT SPECIFICATIONS



Electrical life vs AC1 load.

F 62

### H 62 (CO)

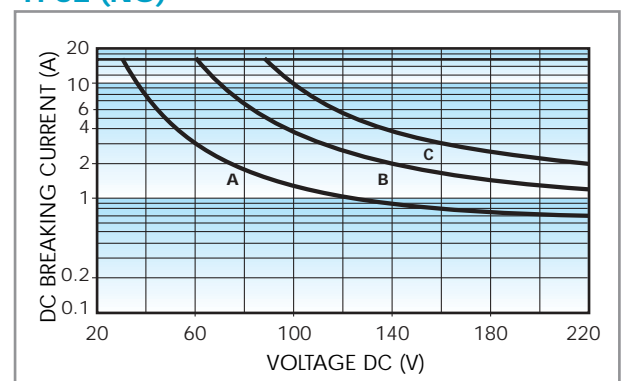


Breaking capacity for DC1 load.

- A** = Load applied to 1 contact.
- B** = Load applied to 2 contacts in series.
- C** = Load applied to 3 contacts in series.

- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is  $\geq 100 \cdot 10^3$  cycles.
  - In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.
- Note:** the release time of load will be increase.

### H 62 (NO)



Breaking capacity for DC1 load.

- A** = Load applied to 1 contact.
- B** = Load applied to 2 contacts in series.
- C** = Load applied to 3 contacts in series.

- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is  $\geq 100 \cdot 10^3$  cycles.
  - In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.
- Note:** the release time of load will be increase.

## COIL SPECIFICATIONS

### AC VERSION DATA

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil consumption I at $U_N$ (50Hz) mA
		$U_{min}$ V	$U_{max}$ V		
6	8.006	4.8	6.6	4.6	367
12	8.012	9.6	13.2	19	183
24	8.024	19.2	26.4	74	90
48	8.048	38.4	52.8	290	47
60	8.060	48	66	450	37
110	8.110	88	121	1,600	20
120	8.120	96	132	1,940	18.6
230	8.230	184	253	7,250	10.5
240	8.240	192	264	8,500	9.2

### DC VERSION DATA

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil consumption I at $U_N$ mA
		$U_{min}$ V	$U_{max}$ V		
6	9.006	4.8	6.6	28	214
12	9.012	9.6	13.2	110	109
24	9.024	19.2	26.4	445	54
48	9.048	38.4	52.8	1,770	27
60	9.060	48	66	2,760	21.7
110	9.110	88	121	9,420	11.7

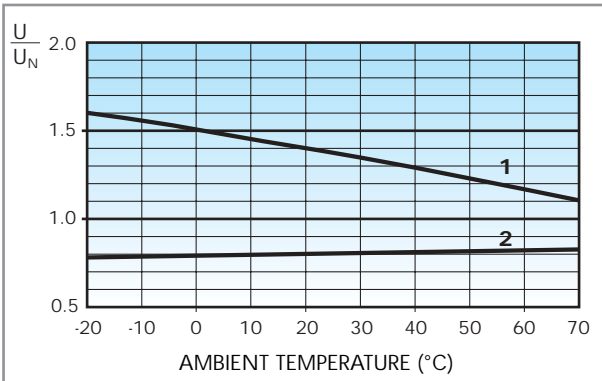
### AC (NO) VERSION DATA ( $\geq 3$ mm)

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil consumption I at $U_N$ (50Hz) mA
		$U_{min}$ V	$U_{max}$ V		
6	8.006	5.1	6.6	4	540
12	8.012	10.2	13.2	14	275
24	8.024	20.4	26.4	62	130
48	8.048	40.8	52.8	220	70
60	8.060	51	66	348	55
110	8.110	93.5	121	1,200	30
120	8.120	106	137	1,350	24
230	8.230	196	253	5,000	14
240	8.240	204	264	6,300	12.5

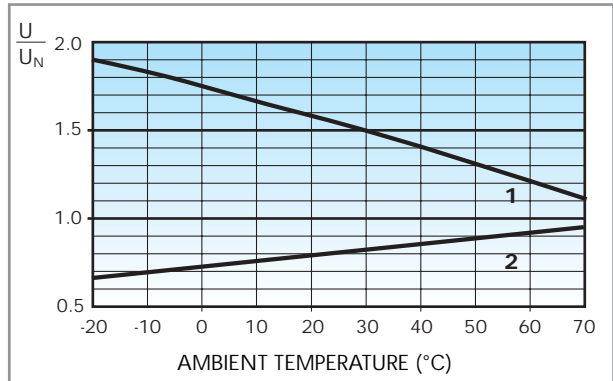
### DC (NO) VERSION DATA ( $\geq 3$ mm)

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil consumption I at $U_N$ mA
		$U_{min}$ V	$U_{max}$ V		
6	9.006	5.1	6.6	12	500
12	9.012	10.2	13.2	48	250
24	9.024	20.4	26.4	192	125
48	9.048	40.8	52.8	770	63
60	9.060	51	66	1,200	50
110	9.110	93.5	121	4,200	26

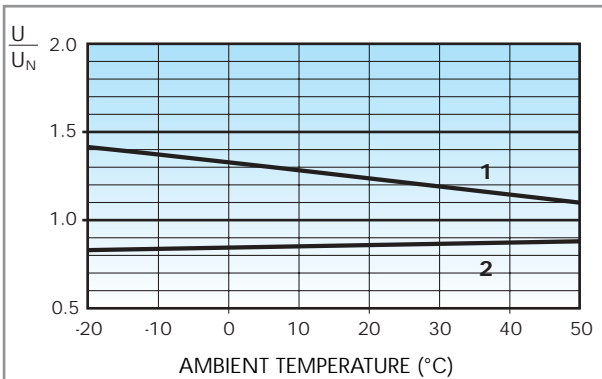
### R 62 AC



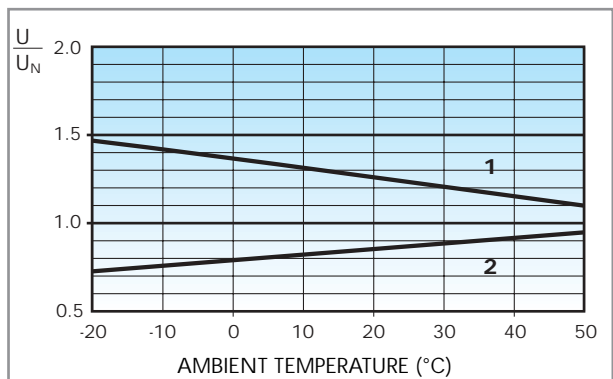
### R 62 DC



### R 62 AC (NO)



### R 62 DC (NO)



Operating range (AC type) vs ambient temperature.

- 1 - Max coil voltage permitted.
- 2 - Min pick-up voltage with coil at ambient temperature.

Operating range (DC type) vs ambient temperature.

- 1 - Max coil voltage permitted.
- 2 - Min pick-up voltage with coil at ambient temperature.



92.03

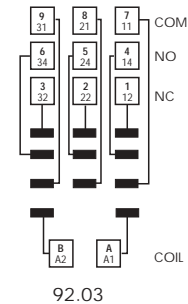
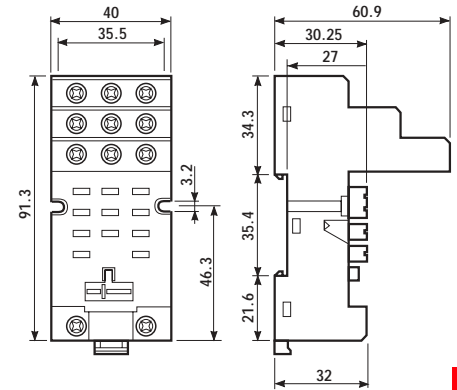
Approvals  
(according to type):



<b>Relay type</b>	<b>62.32</b>	
Colour	BLUE	BLACK
<b>Clamp terminal socket:</b> panel or 35 mm rail (EN 50022) mount retaining clip 092.71 supplied with socket packaging code SMA	92.03	92.03.0
Retaining clip	092.71	
Modules (see table below)	99.02	
Timer modules	86.10, 86.20	

- RATED VALUES: 16 A - 250 V
- INSULATION:  $\geq 6$  kV (1.2/50 $\mu$ s) between coil and contacts
- PROTECTION CATEGORY: IP 20
- AMBIENT TEMPERATURE: (-40...+70) $^{\circ}$ C
- SCREW TORQUE: 0.8 Nm
- WIRE STRIP LENGTH: 10 mm
- MAX WIRE SIZE:

	solid wire	stranded wire
mm <sup>2</sup>	1x10 / 2x4	1x6 / 2x4
AWG	1x8 / 2x12	1x10 / 2x12



99.02

<b>99.02 modules for 92.03 socket</b>		BLUE
Diode** (+A1)	(6...220) V DC	99.02.3.000.00
Diode (inverted polarity)	(6...220) V DC	99.02.2.000.00
LED	(6...24) V DC/AC	99.02.0.024.59
LED	(28...60) V DC/AC	99.02.0.060.59
LED	(110...240) V DC/AC	99.02.0.230.59
LED + Diode** (+A1)	(6...24) V DC	99.02.9.024.99
LED + Diode** (+A1)	(28...60) V DC	99.02.9.060.99
LED + Diode** (+A1)	(110...220) V DC	99.02.9.220.99
LED + Diode (inverted polarity)	(6...24) V DC	99.02.9.024.79
LED + Diode (inverted polarity)	(28...60) V DC	99.02.9.060.79
LED + Diode (inverted polarity)	(110...220) V DC	99.02.9.220.79
LED + Varistor	(6...24) V DC/AC	99.02.0.024.98
LED + Varistor	(28...60) V DC/AC	99.02.0.060.98
LED + Varistor	(110...240) V DC/AC	99.02.0.230.98
RC circuit	(6...24) V DC/AC	99.02.0.024.09
RC circuit	(28...60) V DC/AC	99.02.0.060.09
RC circuit	(110...240) V DC/AC	99.02.0.230.09
No - remanence (62 k $\Omega$ /1W)	(110...240) V AC	99.02.8.230.07

\*\*For DC supply, apply the positive to terminal A1. Modules in Black housing are available on request. Green LED is standard. Red LED available on request.





92.13

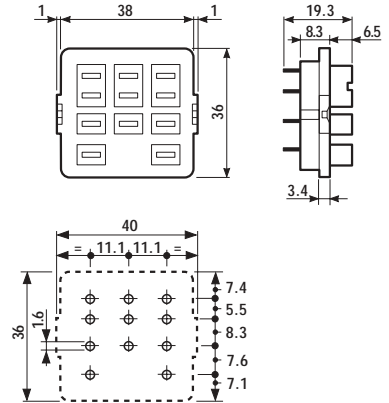
<b>Relay type</b>	<b>62.32</b>	
Colour	BLUE	BLACK
<b>P.C.B. socket</b>	92.13	92.13.0
retaining clip O92.54 supplied with socket packaging code SMA		
Retaining clip	O92.54	

Approvals  
(according to type):



- RATED VALUES: 32 A - 250 V (10 A max for each contact circuit)
- DIELECTRIC STRENGTH:  $\geq 2.5$  kV AC
- AMBIENT TEMPERATURE: (-40...+70) $^{\circ}$ C

- 62.3X plug on 92.13 is 63.3 mm high



62



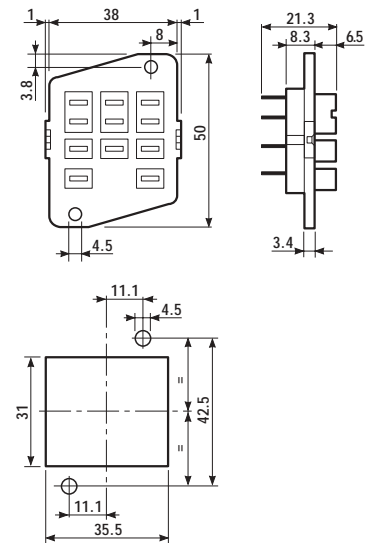
92.33

<b>Relay type</b>	<b>62.32</b>	<b>62.33</b>
Colour	BLUE	BLUE
<b>Panel mount solder socket:</b> mounted with M3 screw	92.33	92.33
retaining clip O92.54 supplied with socket packaging code SMA		
Retaining clip	O92.54	

Approvals  
(according to type):



- RATED VALUES: 32 A - 250 V (10 A max for each contact circuit)
- DIELECTRIC STRENGTH:  $\geq 2.5$  kV AC
- AMBIENT TEMPERATURE: (-40...+70) $^{\circ}$ C

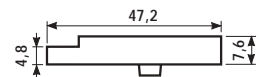


## ACCESSORIES

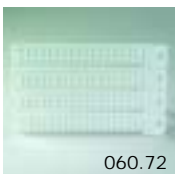
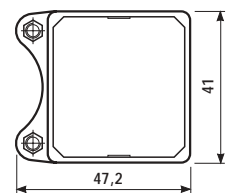


062.10

<b>Mounting adaptor</b> for types 62.3x and 62.8x (M4)	062.10
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062.10



060.72

<b>Sheet of marker tags</b> for 62 series relays (72 tags)	060.72
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## PACKAGING CODES

How to code and identify retaining clip and packaging options for sockets.

Code options according to the last three letters:

