

- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO (nPST-NO) option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)
- Option with coil to contacts SELV insulation
- Sockets and accessories: see 92, 99 and 86 series

62.22

62.23

62.32

	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 (DPDT)	3 CO (3PDT)	2 CO (DPDT)
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 V AC) VA	750	750	750
Motor rating (230/400 V AC) kW	0.8/—	0.8/1.5	0.8/—
Breaking capacity in DC1: 30/110/220 V 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 _N) V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400		
V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220		
Rated power AC/DC VA (50 Hz)/W	2.2/1.3	2.2/1.3	2.2/1.3
Operating range AC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
DC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
Holding voltage AC/DC	0.8 U _N /0.6 U _N	0.8 U _N /0.6 U _N	0.8 U _N /0.6 U _N
Must drop-out voltage AC/DC	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N
Technical data			
Mechanical life AC/DC cycles	10 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶
Electrical life at rated load AC1 cycles	100 · 10 ³	100 · 10 ³	100 · 10 ³
Operate/release time ms	10/10	10/10	10/10
Insulation according to EN 61810-1 ed. 2	4 kV/3	4 kV/3	4 kV/3
Insulation between coil and contacts (1.2/50 μs) 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):			

* With the AgSnO₂ material the maximum peak current is 100 A - 5 ms on NO contact.

- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO (nPST-NO) option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)
- Option with coil to contacts SELV insulation
- Sockets and accessories: see 92, 99 and 86 series

62

* With the AgSnO₂ material the maximum peak current is 100 A - 5 ms on NO contact.

	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 rear flange mount	- 3 pole - Faston 250 (6.3x0.8 mm) with rear flange mount
	<p>12 14 22 24 32 34 1 4 2 5 3 6 11 21 31 7 8 9 A1 A B A2</p> <p>38.2 35.8 3.5 47.6 8 11.1 8 8.65 7.6 8.35 5.5 7.5</p>	<p>12 14 32 34 1 4 3 6 11 31 7 9 A1 A B A2</p> <p>38.2 35.8 3.6 47.6 63 68 8 22.2 8 8.8 7.6 8 5.8 5.6</p>	<p>12 14 22 24 32 34 1 4 2 5 3 6 11 21 31 7 8 9 A1 A B A2</p> <p>38.2 35.8 3.6 47.6 63 68 8 11.1 8 8.8 7.6 8 5.8 5.6</p>
Contact specifications			
Contact configuration	3 CO (3PDT)	2 CO (DPDT)	3 CO (3PDT)
Rated current/Maximum peak current	A 16/30*	A 16/30*	A 16/30*
Rated voltage/Maximum switching voltage V AC	250/400	250/400	250/400
Rated load in AC1	VA 4,000	VA 4,000	VA 4,000
Rated load in AC15 (230 V AC)	VA 750	VA 750	VA 750
Motor rating (230/400 V AC)	kW 0.8/1.5	kW 0.8/—	kW 0.8/1.5
Breaking capacity in DC1: 30/110/220 V	A 16/0.6/0.4	A 16/0.6/0.4	A 16/0.6/0.4
Minimum switching load	mW (V/mA) 1,000 (10/10)	mW (V/mA) 1,000 (10/10)	mW (V/mA) 1,000 (10/10)
Standard contact material	AgCdO	AgCdO	AgCdO
Coil specifications			
Nominal voltage (U _N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400	
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power AC/DC	VA (50 Hz)/W	2.2/1.3	2.2/1.3
Operating range	AC	(0.8...1.1)U _N	(0.8...1.1)U _N
	DC	(0.8...1.1)U _N	(0.8...1.1)U _N
Holding voltage	AC/DC	0.8 U _N /0.6 U _N	0.8 U _N /0.6 U _N
Must drop-out voltage	AC/DC	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N
Technical data			
Mechanical life AC/DC	cycles	10 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	10/10	10/10
Insulation according to EN 61810-1 ed. 2		4 kV/3	4 kV/3
Insulation between coil and contacts (1.2/50 μs)	kV	6	6
Dielectric strength between open contacts	V AC	1,500	1,500
Ambient temperature range	°C	-40...+70	-40...+70
Environmental protection		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 (nPST-NO) option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)
- Option with coil to contacts SELV insulation
- Sockets and accessories: see 92, 99 and 86 series

62.22-0300

62.23-0300

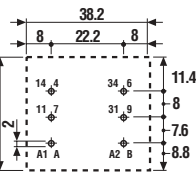
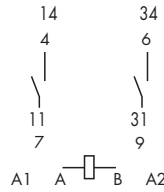
62.32-0300



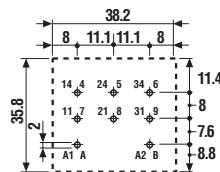
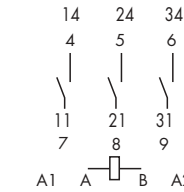
- 2 NO (DPST-NO),
3 mm contact gap
- P.C.B. mounting

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

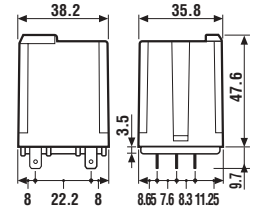
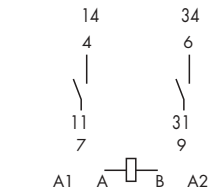
- 2 NO (DPST-NO), 3 mm contact gap
- Faston 187 (4.8x0.5 mm)
- Plug-in use 92 Series socket



Copper side view
h = 51.1 mm



Copper side view
h = 51.1 mm



*Distance between contacts ≥ 3 mm (EN 60335-1).

** With the AgSnO_2 material the maximum peak current is 100 A - 5 ms on NO contact.

Contact specifications		62.22-0300	62.23-0300	62.32-0300
Contact configuration		2 NO (DPST-NO) 3 mm*	3 NO (3PST-NO) 3 mm*	2 NO (DPST-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 V AC)	VA	750	750	750
Motor rating (230/400 V AC)	kW	0.8/—	0.8/1.5	0.8/—
Breaking capacity in DC1: 30/110/220 V	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				
Nominal voltage (U_N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400		
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220		
Rated power AC/DC	VA (50 Hz)/W	3/3	3/3	3/3
Operating range	AC	$(0.8 \dots 1.1) U_N$		$(0.8 \dots 1.1) U_N$
	DC	$(0.8 \dots 1.1) U_N$		$(0.8 \dots 1.1) U_N$
Holding voltage	AC/DC	$0.8 U_N / 0.6 U_N$		$0.8 U_N / 0.6 U_N$
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$		$0.2 U_N / 0.1 U_N$
Technical data				
Mechanical life AC/DC	cycles	$10 \cdot 10^6 / 30 \cdot 10^6$		$10 \cdot 10^6 / 30 \cdot 10^6$
Electrical life at rated load AC1	cycles	$100 \cdot 10^3$		$100 \cdot 10^3$
Operate/release time	ms	20/4		20/4
Insulation according to EN 61810-1 ed. 2		4 kV/3		4 kV/3
Insulation between coil and contacts (1.2/50 μs) kV		6		6
Dielectric strength between open contacts	V AC	2,500		2,500
Ambient temperature range	°C	-40...+50		-40...+50
Environmental protection		RT I		RT I

Approvals (according to type):



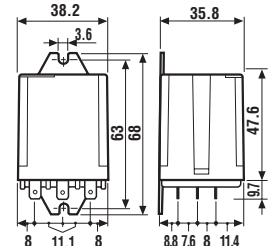
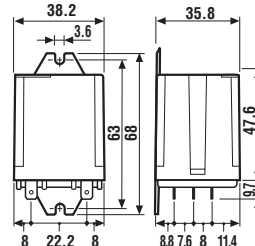
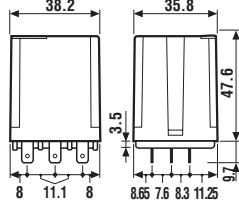
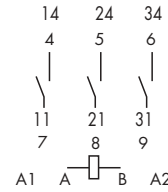
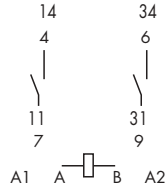
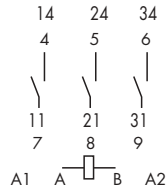
- Plug-in or P.C.B. versions
- AC or DC coils
- 3 mm gap between open contacts on NO (nPST-NO) option
- 8 mm, 6 kV (1.2/50 μs) between coil and contacts (internal distance)
- Option with coil to contacts SELV insulation
- Sockets and accessories: see 92, 99 and 86 series

62.33-0300
62.82-0300
62.83-0300


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

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

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



*Distance between contacts ≥ 3 mm (EN 60335-1).
 ** With the AgSnO₂ material the maximum peak current is 100 A - 5 ms on NO contact.

Contact specifications				
Contact configuration		3 NO (3PST-NO) 3 mm*	2 NO (DPST-NO) 3 mm*	3 NO (3PST-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 V AC)	VA	750	750	750
Motor rating (230/400 V AC)	kW	0.8/1.5	0.8/—	0.8/1.5
Breaking capacity in DC1: 30/110/220 V	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				
Nominal voltage (U _N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400		
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220		
Rated power AC/DC	VA (50 Hz)/W	3/3	3/3	3/3
Operating range	AC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
	DC	(0.8...1.1)U _N	(0.8...1.1)U _N	(0.8...1.1)U _N
Holding voltage	AC/DC	0.8 U _N /0.6 U _N	0.8 U _N /0.6 U _N	0.8 U _N /0.6 U _N
Must drop-out voltage	AC/DC	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N	0.2 U _N /0.1 U _N
Technical data				
Mechanical life AC/DC	cycles	10 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³	100 · 10 ³
Operate/release time	ms	20/4	20/4	20/4
Insulation according to EN 61810-1 ed. 2		4 kV/3	4 kV/3	4 kV/3
Insulation between coil and contacts (1.2/50 μs)	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

Approvals (according to type):



ORDERING INFORMATION

Example: a 62 series power relay + FASTON 250 (6.3x0.8 mm), rear flange mount with 2 NO (DPST-NO) contacts, coil rated at 12 V DC.

	6 2 . 8 2 . 9 . 0 1 2 . 0 3 0 0	A	B	C	D
<p>Series _____</p> <p>Type _____ 2 = P.C.B. 3 = Plug-in 8 = Faston 250 (6.3x0.8 mm) with rear flange mount</p> <p>No. of poles _____ 2 = 2 pole 3 = 3 pole</p> <p>Coil version _____ 8 = AC (50/60 Hz) 9 = DC</p> <p>Coil voltage _____ see coil specifications</p>	<p>A: Contact material 0 = Standard AgCdO 4 = AgSnO₂</p> <p>B: Contact circuit 0 = CO (nPDT) 3 = NO (nPST), ≥ 3 mm contact gap 5 = CO (nPDT) version with coil to contacts SELV insulation 6 = NO (nPST), ≥ 3 mm contact gap, version with coil to contacts SELV insulation</p>	<p>D: Special versions 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>C: Options 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>		

Only combinations in the same row are possible

Preferred versions

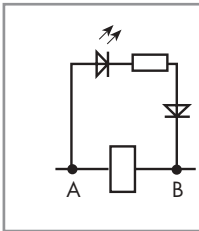
	coil version	A	B	C	D
62.22/23	AC-DC	0	0	0	0
62.32/33	AC-DC	0	0	4	0
62.82/83	AC-DC	0	0	0	0

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

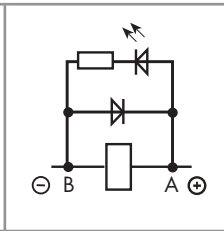
POSSIBLE OPTIONS

AC

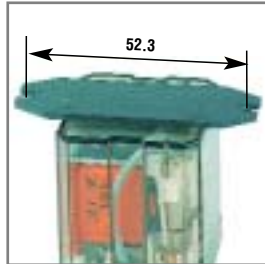


Option = 0030
0050

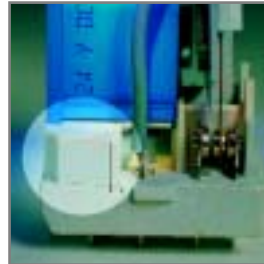
DC



Option = 0060
0070



Option = 0005
TOP MOUNT FLANGE



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



Option = 0007
TOP 35mm RAIL MOUNT



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.

62

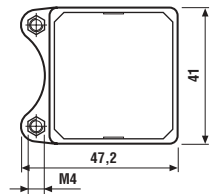
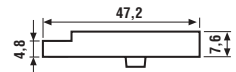
ACCESSORIES



062.10

Mounting adaptor for types 62.3x and 62.8x.xxxx.xxx9 (M4)

062.10



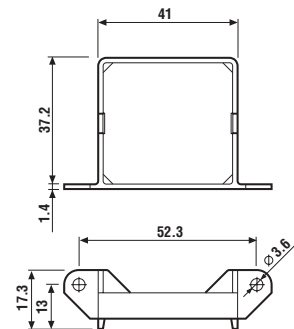
062.10

Flange mounting adaptor for types 62.3x and 62.8x.xxxx.xxx9

062.60



062.60



062.60

Sheet of marker tags for 62 series relays (72 tags), 6x12mm

060.72



060.72

TECHNICAL DATA

INSULATION

Insulation according to EN 61810-1 ed. 2	insulation rated voltage	V	400
	rated impulse withstand voltage	kV	4
	pollution degree		3
	overvoltage category		III
Dielectric strength between adjacent contacts	V AC	2,500	

CONDUCTED DISTURBANCE IMMUNITY

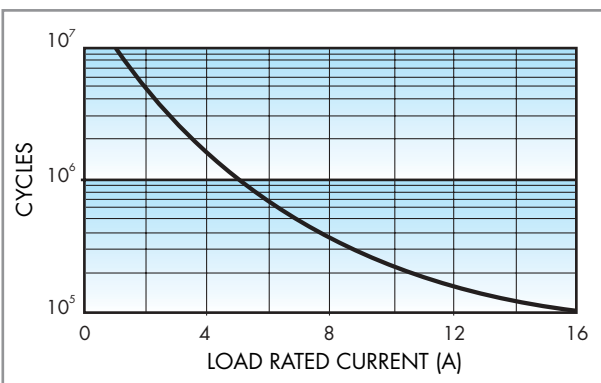
Burst (5...50)ns, 5 kHz, on A1 - A2	EN 61000-4-4	level 4 (4 kV)
Surge (1.2/50 μs) on A1 - A2 (differential mode)	EN 61000-4-5	level 4 (4 kV)

OTHER DATA

Bounce time: NO/NC	ms	3/6 (for CO or nPDT)	3/— (for NO or nPST-NO)			
Vibration resistance (10...55)Hz, max. ± 1 mm: NO/NC	g/g	5/3				
Power lost to the environment		2 CO (DPDT)	3 CO (3PDT)	2 NO (DPST-NO)	3 NO (3PST-NO)	
	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				

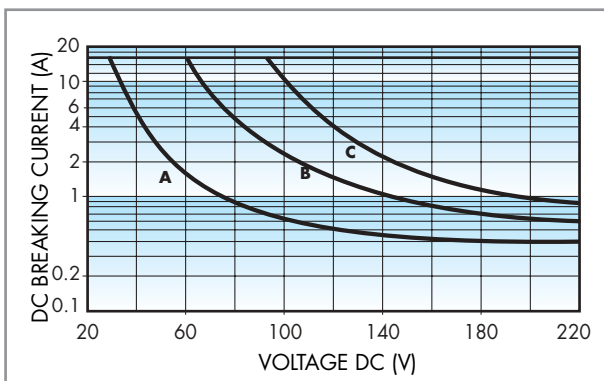
CONTACT SPECIFICATIONS

F 62



Electrical life vs AC1 load.

H 62 (CO/nPDT)



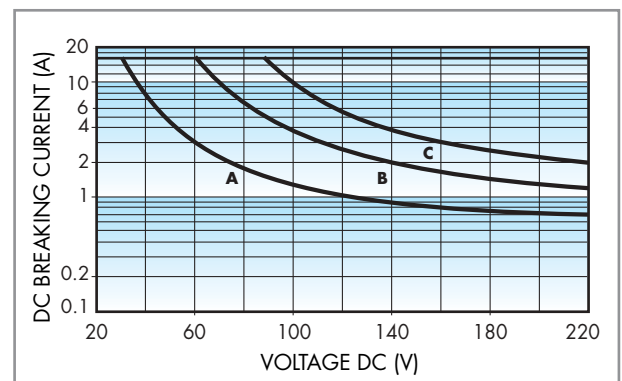
Breaking capacity for DC1 load.

- 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/nPST-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

DC VERSION DATA

Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	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
125	9.125	100	137.5	12,000	10.4
220	9.220	176	242	37,300	5.8

AC VERSION DATA

Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	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
400	8.400	320	440	19,800	6

DC (NO/nPST-NO) VERSION DATA (≥ 3 mm)

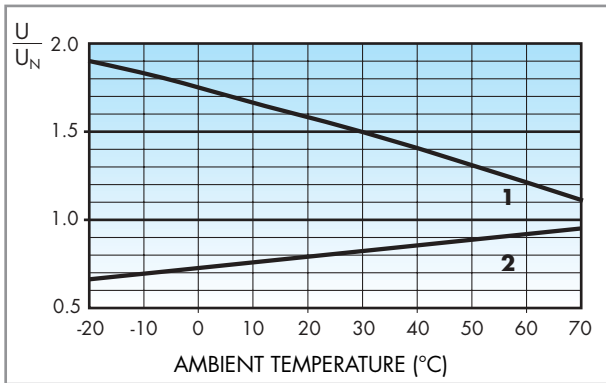
Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil consumption I at U_N mA
		U_{min} V	U_{max} V		
6	9.006	5.1	6.6	12	500
12	9.012	10.2	13.2	48	250
24	9.024	20.4	26.4	192	125
48	9.048	40.8	52.8	770	63
60	9.060	51	66	1,200	50
110	9.110	93.5	121	4,200	26
125	9.125	106.2	137.5	5,200	24
220	9.220	187	242	17,600	12.5

AC (NO/nPST-NO) VERSION DATA (≥ 3 mm)

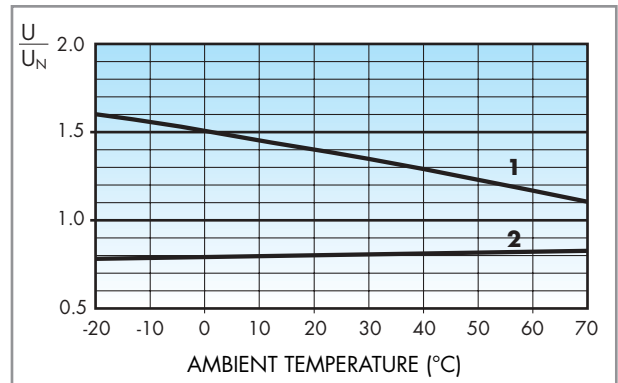
Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil consumption I at U_N (50Hz) mA
		U_{min} V	U_{max} V		
6	8.006	5.1	6.6	4	540
12	8.012	10.2	13.2	14	275
24	8.024	20.4	26.4	62	130
48	8.048	40.8	52.8	220	70
60	8.060	51	66	348	55
110	8.110	93.5	121	1,200	30
120	8.120	106	137	1,350	24
230	8.230	196	253	5,000	14
240	8.240	204	264	6,300	12.5
400	8.400	340	440	14,700	7.8

62

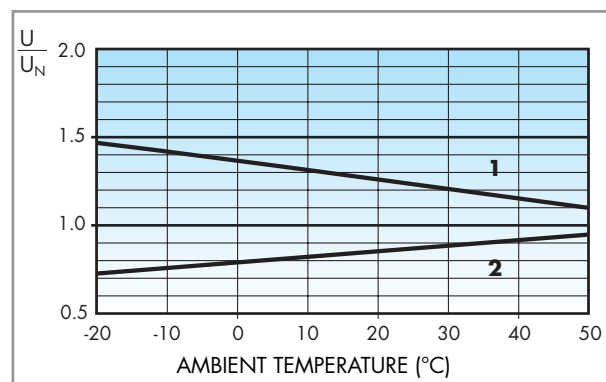
R 62 DC



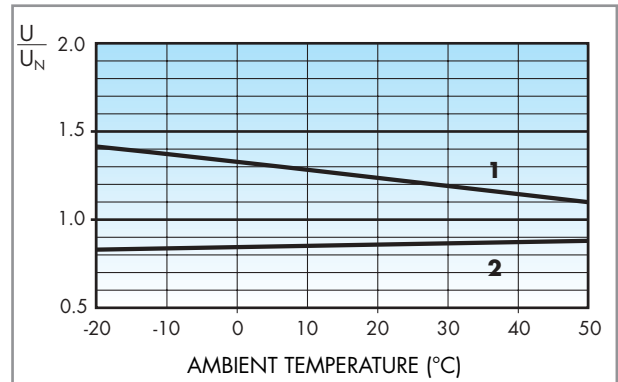
R 62 AC



R 62 DC (NO/nPST-NO)



R 62 AC (NO/nPST-NO)



Operating range (DC type) vs ambient temperature.

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

Operating range (AC type) vs ambient temperature.

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



92.03

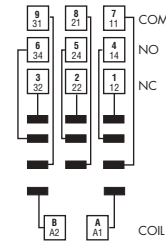
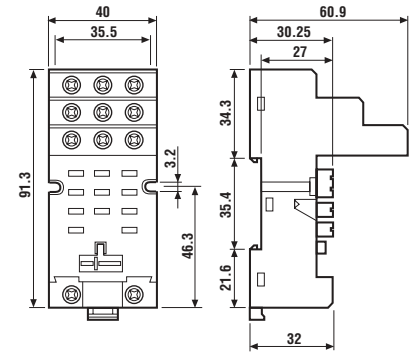
Approvals
(according to type):



- Rated values: 16 A - 250 V
- Insulation: ≥ 6 kV (1.2/50 μ s) *between coil and contacts*
- Protection category: IP 20
- Ambient temperature: (-40...+70)°C
- Screw torque: 0.8 Nm
- Wire strip length: 10 mm
- Max wire size:

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

Relay type	62.32, 62.33	
Colour	BLUE	BLACK
Clamp terminal socket: panel or 35 mm rail (EN 50022) mount retaining clip 092.71 supplied with socket packaging code SMA	92.03	92.03.0
Metal retaining clip	092.71	
Identification tag	090.00.2	
Modules (see table below)	99.02	
Timer modules (see table below)	86.00, 86.10, 86.20	



FOR 92.03 SOCKET:



86.00



86.10

86 Series Module Timers (see technical data pages 150/151/154)		
Multi-voltage: (12...240)V AC/DC;		
Multi-functions: AI, DI, SW, BE, CE, DE, EE, FE; (0.05s...100h)		86.00.0.240.0000
Mono-function: (12...24)V AC/DC; function AI; (1.5s...60min)		86.10.0.024.0000
Mono-function: (12...24)V AC/DC; function DI; (1.5s...60min)		86.20.0.024.0000

Approvals
(according to type): GOST



99.02

Approvals
(according to type):



99.02 coil indication and EMC suppression modules (see technical data page 209)		BLUE*
Diode** (+A1, standard polarity)	(6...220)V DC	99.02.3.000.00
Diode (+A2, non standard 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, standard polarity)	(6...24)V DC	99.02.9.024.99
LED + Diode** (+A1, standard polarity)	(28...60)V DC	99.02.9.060.99
LED + Diode** (+A1, standard polarity)	(110...220)V DC	99.02.9.220.99
LED + Diode (+A2, non standard polarity)	(6...24)V DC	99.02.9.024.79
LED + Diode (+A2, non standard polarity)	(28...60)V DC	99.02.9.060.79
LED + Diode (+A2, non standard 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
Residual current by-pass (62 k Ω /1W)	(110...240)V AC	99.02.8.230.07

* Modules in Black housing are available on request.

**For DC supply, apply the positive to terminal A1.



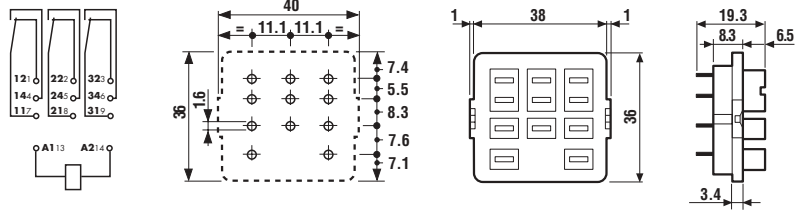
92.13

Relay type	62.32, 62.33	
Colour	BLUE	BLACK
P.C.B. socket	92.13	92.13.0
retaining clip 092.54 supplied with socket packaging code SMA		
Metal retaining clip	092.54	

Approvals
(according to type):



- Rated values: 16 A - 250 V
(10 A max for each contact circuit)
- Dielectric strength: ≥ 2.5 kV AC
- Ambient temperature: $(-40...+70)^{\circ}\text{C}$



- 62.3X plug on 92.13 is 63.3 mm high

62



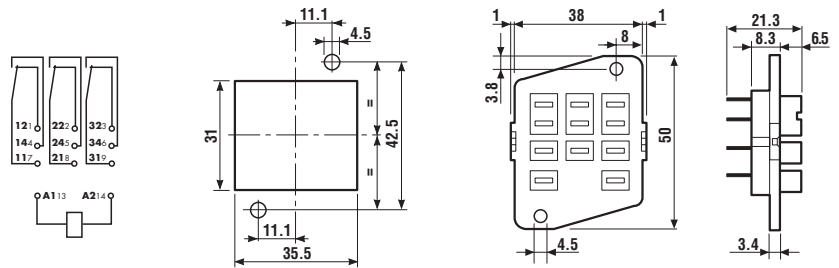
92.33

Relay type	62.32, 62.33	
Colour	BLUE	
Panel mount solder socket: mounted with M3 screw	92.33	
retaining clip 092.54 supplied with socket packaging code SMA		
Metal retaining clip	092.54	

Approvals
(according to type):



- Rated values: 16 A - 250 V
(10 A max for each contact circuit)
- Dielectric strength: ≥ 2.5 kV AC
- Ambient temperature: $(-40...+70)^{\circ}\text{C}$



PACKAGING CODES

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

Code options according to the last three letters:

