

Features

Printed circuit mount 16 A Power relay

- 2 & 3 Pole changeover contacts or NO (≥ 3 mm contact gap)
- AC coils & DC coils
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- SELV coil-contact separator option
- Cadmium Free contact material options

* Distance between contacts ≥ 3 mm (EN 60730-1).

** With the AgSnO_2 material the maximum peak current is 120 A - 5 ms (NO contact).

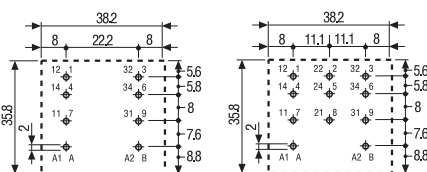
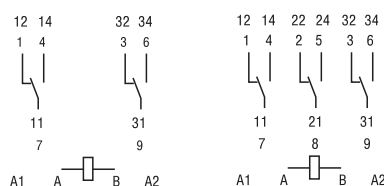
FOR UL RATINGS SEE:
"General technical information" page V

For outline drawing see page 10

62.22 / 62.23



- 2 & 3 pole changeover contact
- PCB mount

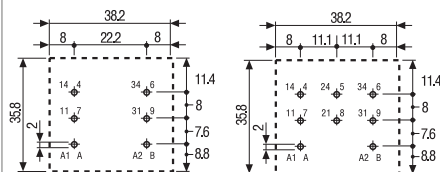
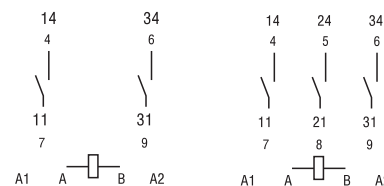


62.22 Copper side view 62.23 Copper side view

62.22-0300 / 62.23-0300



- 2 & 3 pole normally open contact (≥ 3 mm contact gap)
- PCB mount



62.22-0300 Copper side view 62.23-0300 Copper side view

Contact specification			
Contact configuration		2 CO (DPDT)	3 CO (3PDT)
Rated current/Maximum peak current	A	16/30**	
Rated voltage/Maximum switching voltage V AC		250/400	
Rated load AC1	VA	4,000	
Rated load AC15 (230 V AC)	VA	750	
Motor rating (230/400 V AC)	kW	0.8/—	0.8/1.5
Breaking capacity DC1: 30/110/220 V	A	16/0.6/0.4	
Minimum switching load	mW (V/mA)	1,000 (10/10)	
Standard contact material		AgCdO	
Coil specification			
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	3/3
Operating range	AC	$(0.8 \dots 1.1) U_N$	
	DC	$(0.8 \dots 1.1) U_N$	
Holding voltage	AC/DC	$0.8 U_N / 0.6 U_N$	
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$	
Technical data			
Mechanical life AC/DC	cycles	$10 \cdot 10^6 / 30 \cdot 10^6$	
Electrical life at rated load AC1	cycles	$100 \cdot 10^3$	
Operate/release time	ms	11/4	
Insulation between coil and contacts (1.2/50 μ s)	kV	6	
Dielectric strength between open contacts	V AC	1,500	
Ambient temperature range	°C	-40...+70	
Environmental protection		RT I	
Approvals (according to type)			

62 Series - Power relays 16 A

Features

Plug-in mount/Faston 187
16 A Power relay

- Plug-in (92 series sockets) or Faston 187 (4.8x0.5 mm) with optional mounting adaptors
- 2 & 3 Pole changeover contacts or NO (≥ 3 mm contact gap)
- AC coils & DC coils
- UL Listing (certain relay/socket combinations)
- LED, mechanical indicator & test button options
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- SELV coil-contact separator option
- Cadmium Free contact material options
- Sockets and accessories
- European Patent

* Distance between contacts ≥ 3 mm (EN 60730-1).

** With the AgSnO_2 material the maximum peak current is 120 A - 5 ms (NO contact).

FOR UL RATINGS SEE:
"General technical information" page V

For outline drawing see page 10

Contact specification

Contact configuration	2 CO (DPDT)	3 CO (3PDT)	2 NO (DPST-NO), ≥ 3 mm*	3 NO (3PST-NO), ≥ 3 mm*
Rated current/Maximum peak current A	16/30**		16/30**	
Rated voltage/Maximum switching voltage V AC	250/400		250/400	
Rated load AC1 VA	4,000		4,000	
Rated load AC15 (230 V AC) VA	750		750	
Motor rating (230/400 V AC) kW	0.8/—	0.8/1.5	0.8/—	0.8/1.5
Breaking capacity DC1: 30/110/220 V A	16/0.6/0.4		16/1.1/0.7	
Minimum switching load mW (V/mA)	1,000 (10/10)		1,000 (10/10)	
Standard contact material	AgCdO		AgCdO	

Coil specification

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	3/3
Operating range	AC	$(0.8 \dots 1.1) U_N$	
	DC	$(0.8 \dots 1.1) U_N$	
Holding voltage	AC/DC	$0.8 U_N / 0.6 U_N$	
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$	

Technical data

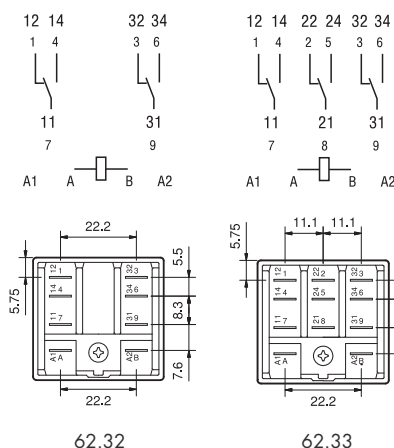
Mechanical life AC/DC	cycles	$10 \cdot 10^6 / 30 \cdot 10^6$	
Electrical life at rated load AC1	cycles	$100 \cdot 10^3$	
Operate/release time	ms	11/4	
Insulation between coil and contacts (1.2/50 μ s)	kV	6	
Dielectric strength between open contacts	V AC	1,500	
Ambient temperature range	°C	-40...+70	
Environmental protection		RT I	

Approvals (according to type)

62.32 / 62.33



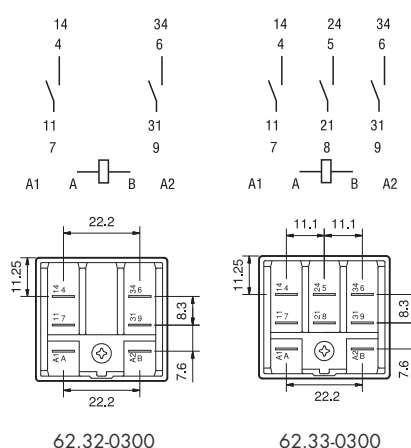
- 2 & 3 pole changeover contact
- Plug-in / Faston 187



62.32-0300 / 62.33-0300



- 2 & 3 pole normally open contact (≥ 3 mm contact gap)
- Plug-in / Faston 187



Features

Flange mount/Faston 250 16 A Power relay

- Faston 250 (6.3x0.8 mm) termination Flange or optional mounting adaptors
- 2 & 3 Pole changeover contacts or NO (≥ 3 mm contact gap)
- AC coils & DC coils
- LED, mechanical indicator & test button options
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- SELV coil-contact separator option
- Cadmium Free contact material options
- European Patent

* Distance between contacts ≥ 3 mm (EN 60730-1).

** With the AgSnO_2 material the maximum peak current is 120 A - 5 ms (NO contact).

FOR UL RATINGS SEE:

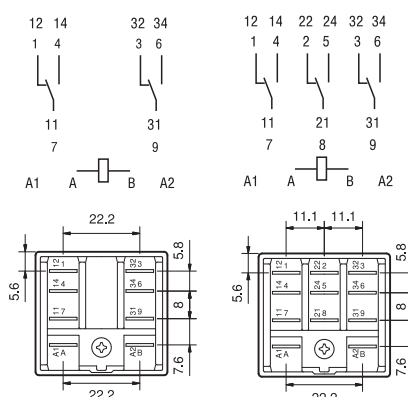
"General technical information" page V

For outline drawing see page 10

62.82 / 62.83



- 2 & 3 pole changeover contact
- Flange mount / Faston 250



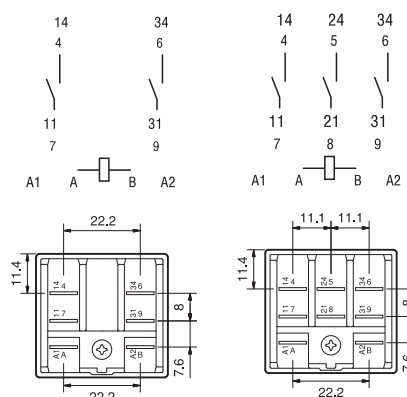
62.82

62.83

62.82-0300 / 62.83-0300



- 2 & 3 pole normally open contact (≥ 3 mm contact gap)
- Flange mount / Faston 250



62.82-0300

62.83-0300

Contact specification

Contact configuration	2 CO (DPDT)	3 CO (3PDT)	2 NO (DPST-NO), ≥ 3 mm*	3 NO (3PST-NO), ≥ 3 mm*
Rated current/Maximum peak current A	16/30**		16/30**	
Rated voltage/Maximum switching voltage V AC	250/400		250/400	
Rated load AC1 VA	4,000		4,000	
Rated load AC15 (230 V AC) VA	750		750	
Motor rating (230/400 V AC) kW	0.8/—	0.8/1.5	0.8/—	0.8/1.5
Breaking capacity DC1: 30/110/220 V A	16/0.6/0.4		16/1.1/0.7	
Minimum switching load mW (V/mA)	1,000 (10/10)		1,000 (10/10)	
Standard contact material	AgCdO		AgCdO	

Coil specification

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	3/3
Operating range	AC	$(0.8 \dots 1.1) U_N$	
	DC	$(0.8 \dots 1.1) U_N$	
Holding voltage	AC/DC	$0.8 U_N / 0.6 U_N$	
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$	

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	11/4	15/3
Insulation between coil and contacts (1.2/50 μ s)	kV	6	6
Dielectric strength between open contacts	V AC	1,500	2,500
Ambient temperature range	°C	-40...+70	-40...+50
Environmental protection		RT I	RT I

Approvals (according to type)



Features

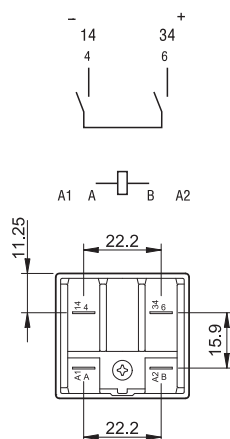
Plug-in mount/Faston 187
Magnetic blow power relay

- Plug-in (92 series sockets) or Faston 187 (4.8x0.5 mm) with optional mounting adaptors
- 1 & 2 Pole NO contacts
- High DC load (resistive and inductive) switching capability
- DC coils
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- Cadmium Free contact material
- Sockets and accessories

62.31-4800



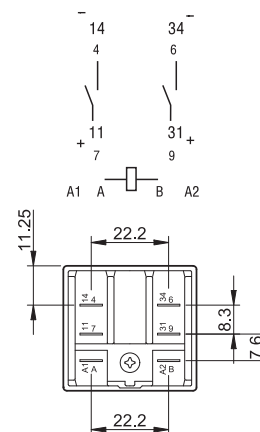
- 1 pole normally open contact (double break, ≥ 4.2 mm contact gap)
- Plug-in / Faston 187



62.32-4800



- 2 pole normally open contact (≥ 2.1 mm contact gap)
- Plug-in / Faston 187



* Maximum peak current 120 A - 5 ms.

For outline drawing see page 10

Contact specification			
Contact configuration		1 NO (SPST-NO) double break, ≥ 4.2 mm	2 NO (DPST-NO), ≥ 2.1 mm
Rated current/Maximum peak current	A	16/30*	16/30*
Rated voltage/Maximum switching voltage V AC		250/400	250/400
Rated load AC1	VA	4,000	4,000
Breaking capacity DC1: 30/125/220 V	A	16/16/12	16/12/6
Breaking capacity DC inductive (L/R = 40 ms): 30/125/220 V	A	16/5/3	10/2/1.2
Minimum switching load	mW (V/mA)	1,000 (10/10)	1,000 (10/10)
Standard contact material		AgSnO ₂	AgSnO ₂
Coil specification			
Nominal voltage (U _N)	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power DC	W	1.3	1.3
Operating range	DC	(0.85...1.1)U _N	(0.85...1.1)U _N
Holding voltage	DC	0.6 U _N	0.6 U _N
Must drop-out voltage	DC	0.1 U _N	0.1 U _N
Technical data			
Mechanical life DC	cycles	10 · 10 ⁶	10 · 10 ⁶
Electrical life at rated load DC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	16/5	16/5
Insulation between coil and contacts (1.2/50 µs)	kV	6	6
Dielectric strength between open contacts	V AC	3,000	2,000
Ambient temperature range	°C	-40...+70	-40...+70
Environmental protection		RT I	RT I
Approvals (according to type)		CE	

Ordering information

Example: 62 series power relay + Faston 250 (6.3x0.8 mm), rear flange mount, 2 NO (DPST-NO), 12 V DC coil.

6 2 . 8 2 . 9 . 0 1 2 . 0 3 0 0

Series ———

Type ———

2 = PCB
3 = Plug-in
8 = Faston 250 (6.3x0.8 mm) with rear flange mount

No. of poles ———

1 = 1 pole (double break)
2 = 2 pole
3 = 3 pole

Coil version ———

8 = AC (50/60 Hz)
9 = DC

Coil voltage ———

See coil specifications

A: Contact material
0 = Standard AgCdO
4 = AgSnO₂ (standard for versions 4800)

B: Contact circuit
0 = CO (nPDT)
3 = NO (nPST),
≥ 3 mm contact gap
5 = CO (nPDT) + additional physical separator between coil and contacts (for SELV applications)
6 = NO (nPST), ≥ 3 mm contact gap + additional physical separator between coil and contacts (for SELV applications)
8 = NO (1 pole double break or 2 pole) with magnetic blow

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

D: Special versions
0 = Standard
6 = Rear flange mount
9 = Type 62.82/83 without rear flange mount

Selecting features and options: only combinations in the same row are possible.
Preferred selections for best availability are shown in **bold**.

Type	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 - 6
	AC-DC	0 - 4	0 - 5	2 - 4	0 - 6
	AC	0 - 4	0	2 - 3 - 4 - 5	0 - 6
	AC	0 - 4	0 - 3	3	0 - 6
	AC	0 - 4	0	54	/
	DC	0 - 4	0	4 - 6 - 7	0 - 6
	DC	0 - 4	0 - 3	6	0 - 6
	DC	0 - 4	0	74	/
62.31/32	DC	4	8	0	0
62.82/83	AC-DC	0 - 4	0 - 3 - 5 - 6	0	0 - 9
	AC-DC	0 - 4	0 - 5	2 - 4	0
	AC	0 - 4	0	2 - 3 - 4 - 5	0
	AC	0 - 4	0 - 3	3	0
	DC	0 - 4	0	4 - 6 - 7	0
	DC	0 - 4	0 - 3	6	0

* Options not available for 220 V DC and 400 V AC versions.

Descriptions: Options and Special versions

C: Option 3, 5, 54
LED (AC)

C: Option 6, 7, 74
LED + diode (DC, polarity positive to pin A/A1)

B: Contact circuit 5, 6
Additional physical separator between coil and contacts (for SELV applications)

B: Contact circuit 8
Magnetic blow



Lockable test button and mechanical flag indicator (0040, 0050, 0054, 0070, 0074)

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

A

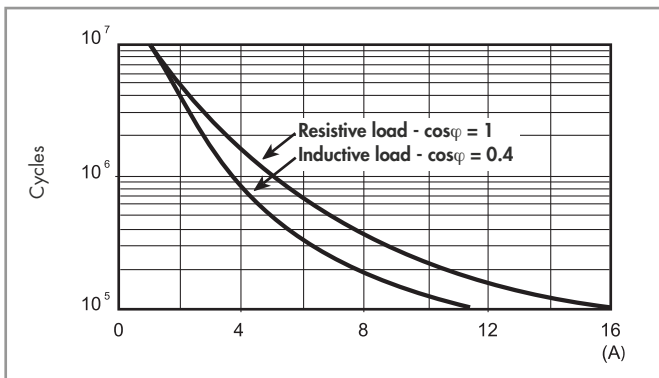
Insulation according to EN 61810-1						
		2 CO - 3 CO	2 NO - 3 NO	1 NO*	2 NO*	
Nominal voltage of supply system	V AC	230/400	230/400	230/400	230/400	
Rated insulation voltage	V AC	400	400	400	400	
Pollution degree		3	3	3	3	
Insulation between coil and contact set						
Type of insulation		Reinforced	Reinforced	Reinforced	Reinforced	
Overvoltage category		III	III	III	III	
Rated impulse voltage	kV (1.2/50 µs)	6	6	6	6	
Dielectric strength	V AC	4,000	4,000	4,000	4,000	
Insulation between adjacent contacts						
Type of insulation		Basic	Basic	—	Basic	
Overvoltage category		III	III	—	III	
Rated impulse voltage	kV (1.2/50 µs)	4	4	—	4	
Dielectric strength	V AC	2,500	2,500	—	2,500	
Insulation between open contacts						
Type of disconnection		Micro-disconnection	Full-disconnection	Full-disconnection	Full-disconnection**	
Overvoltage category		—	III	III	II	
Rated impulse voltage	kV (1.2/50 µs)	—	4	4	2.5	
Dielectric strength	V AC/kV (1.2/50 µs)	1,500/2	2,500/4	3,000/4	2,000/2.5	
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	1/5 (changeover)	3/— (normally open)	3/— (normally open)	3/— (normally open)	
Vibration resistance (10...150)Hz: NO/NC	g	20/8				
Shock resistance	g	15				
Power lost to the environment		2 pole (CO)	3 pole (CO)	2 pole (NO)	3 pole (NO)	1 pole (NO)* 2 pole (NO)*
without contact current	W	1.3	1.3	3	3	1.3 1.3
with rated current	W	3.3	4.3	5	6	3 3.3
Recommended distance between relays mounted on PCB		mm	≥ 5			—

* Magnetic blow version

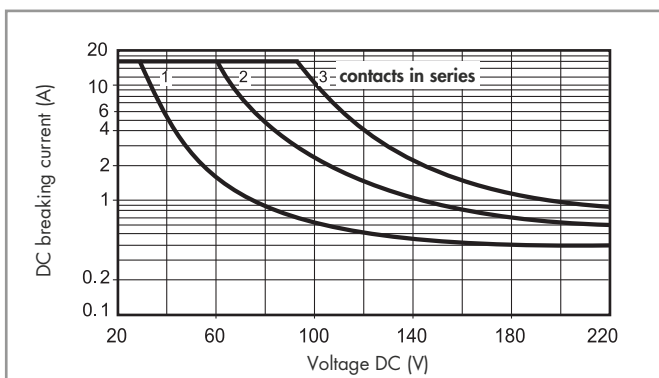
** Only in applications where over voltage category II is permitted. In applications of over voltage category III: Micro-disconnection.

Contact specification

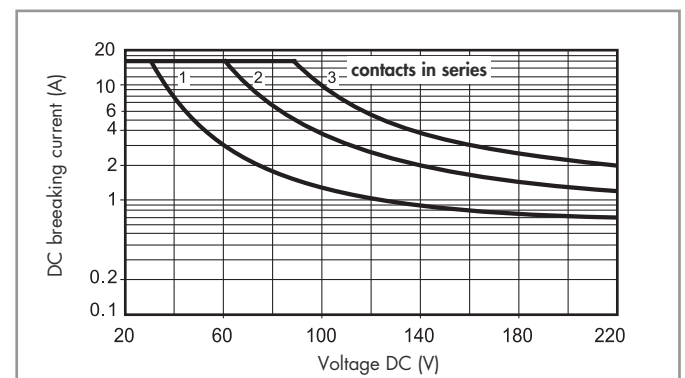
F 62 - Electrical life (AC) v contact current



H 62 - Maximum DC1 breaking capacity Changeover contacts

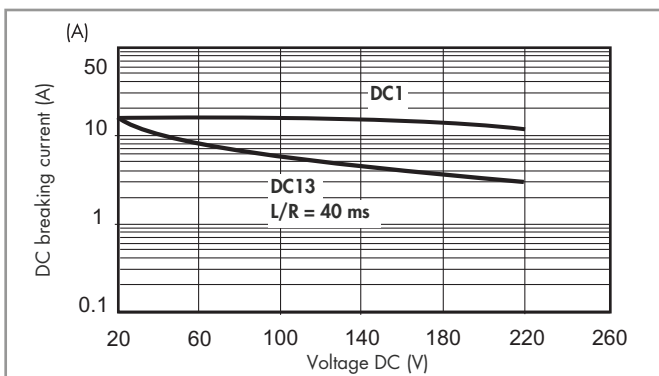


H 62 - Maximum DC1 breaking capacity Normally open contacts

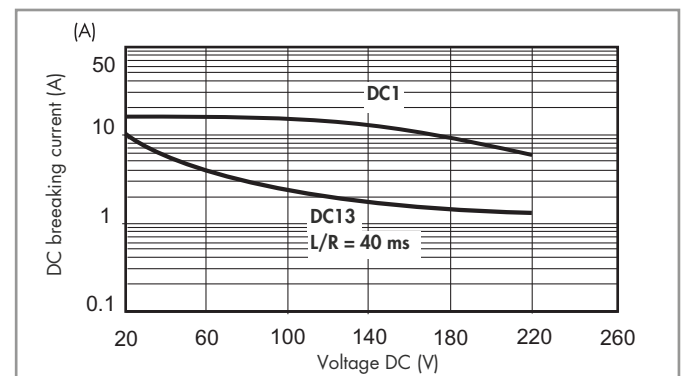


- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 100 \cdot 10^3$ can be expected.
- In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load.
Note: the release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

H 62 - Maximum DC breaking capacity 62.31.9.xxx.4800



H 62 - Maximum DC breaking capacity 62.32.9.xxx.4800



- When switching a resistive load (DC1), or a DC13 load with a diode in parallel to the load, having voltage and current values under the DC1 curve, an electrical life of $\geq 100 \cdot 10^3$ can be expected. Note: the release time for the load will be increased.
- When switching a DC13 load without a diode in parallel to the load, the DC13 curve applies and an electrical life of $\geq 80 \cdot 10^3$ can be expected.

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	138	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	138	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

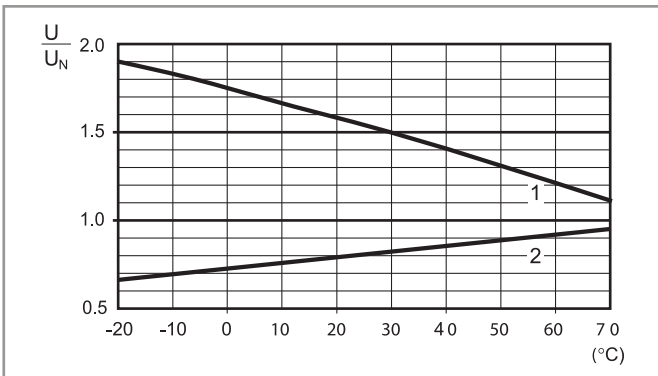
DC (NO/nPST-NO) magnetic blow version - > 2.1 mm or > 4.2 mm

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	28	214
12	9.012	10.2	13.2	110	109
24	9.024	20.4	26.4	445	54
48	9.048	40.8	52.8	1,770	27
60	9.060	51	66	2,760	21.7
110	9.110	93.5	121	9,420	11.7
125	9.125	106	138	12,000	10.4
220	9.220	154*	242	37,300	5.8

* Special version with $U_{min} = 70\% U_N$

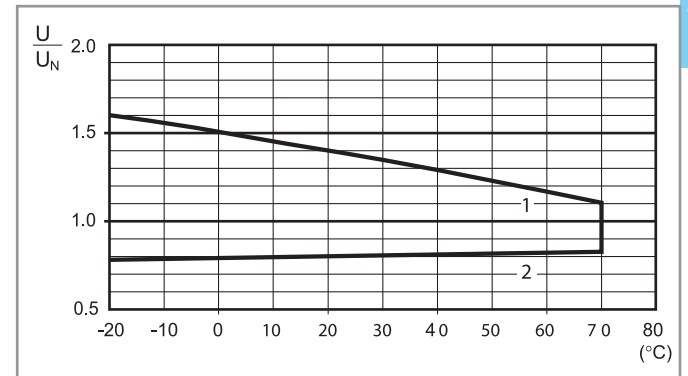
Coil specifications

R 62 - DC coil operating range v ambient temperature
Changeover contacts



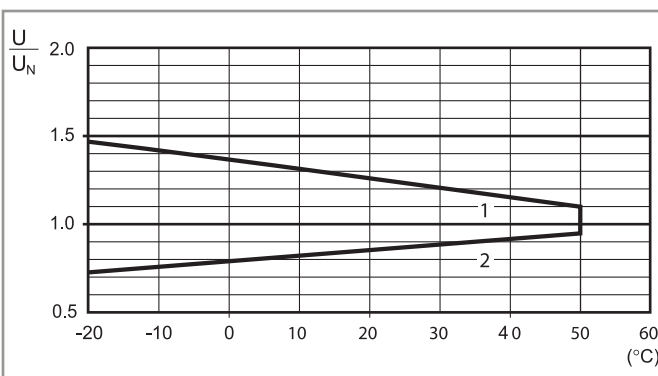
- 1 - Max. permitted coil voltage.
2 - Min. pick-up voltage with coil at ambient temperature.

R 62 - AC coil operating range v ambient temperature
Changeover contacts



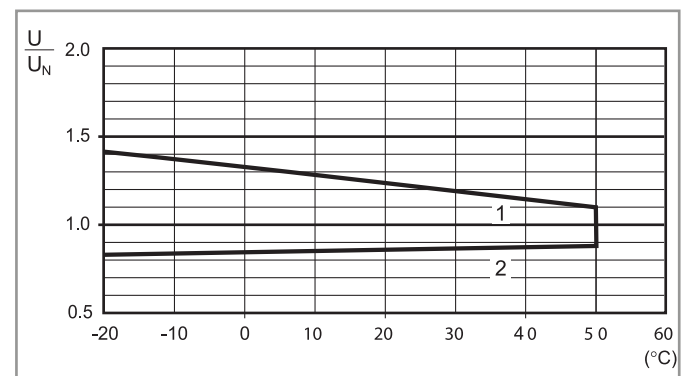
- 1 - Max. permitted coil voltage.
2 - Min. pick-up voltage with coil at ambient temperature.

R 62 - DC coil operating range v ambient temperature
Normally open contacts



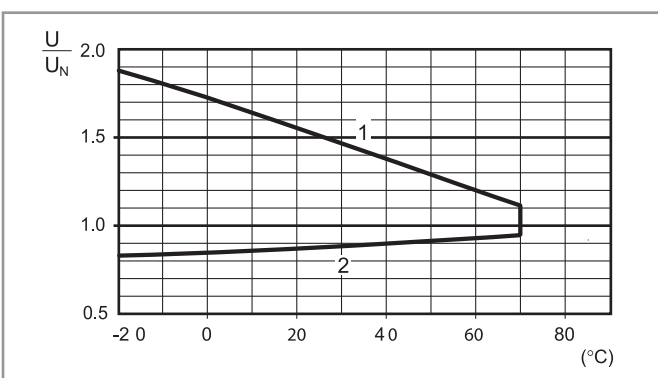
- 1 - Max. permitted coil voltage.
2 - Min. pick-up voltage with coil at ambient temperature.

R 62 - AC coil operating range v ambient temperature
Normally open contacts



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

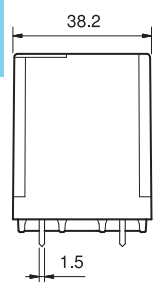
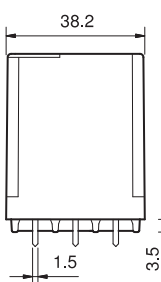
R 62 - DC coil operating range v ambient temperature
Normally open contacts - magnetic blow version



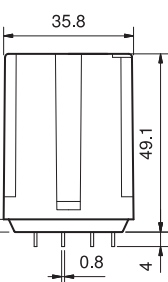
- 1 - Max. permitted coil voltage.
2 - Min. pick-up voltage with coil at ambient temperature.

Outline drawings

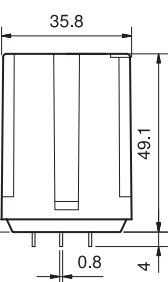
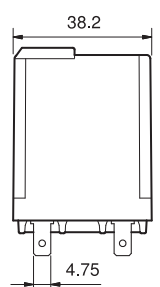
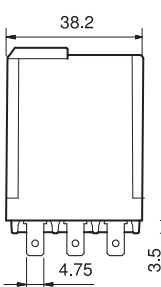
A

Type 62.22
62.22-0300Type 62.23
62.23-0300

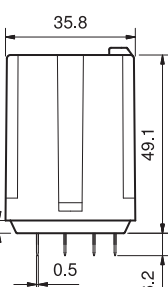
Type 62.2x



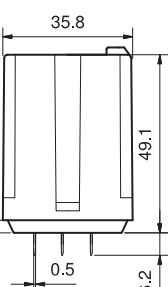
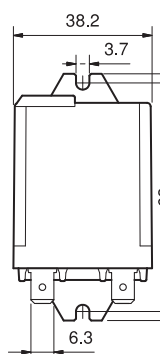
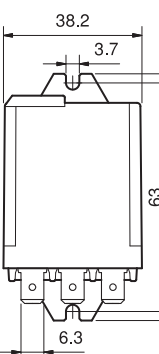
Type 62.2x-0300

Type 62.32
62.32-0300Type 62.33
62.33-0300

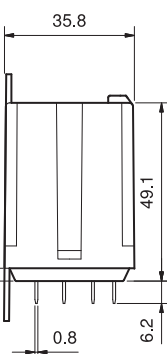
Type 62.3x



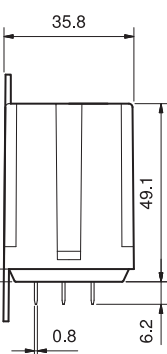
Type 62.3x-0300

Type 62.82
62.82-0300Type 62.83
62.83-0300

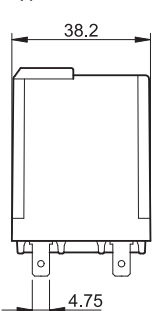
Type 62.8x



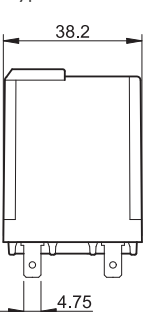
Type 62.8x-0300



Type 62.31-4800



Type 62.32-4800



Accessories



062.10



062.10 with relay



062.60



062.60 with relay



062.05



062.05 with relay



062.07



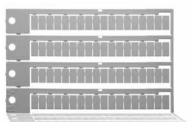
062.07 with relay



062.08



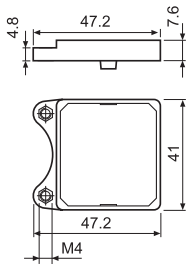
062.08 with relay



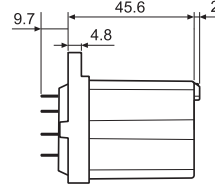
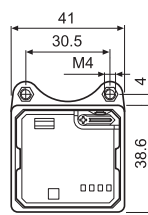
060.72

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

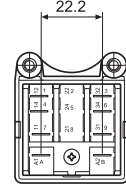
062.10



062.10

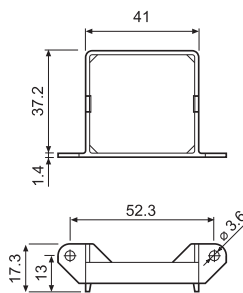


062.10 with relay

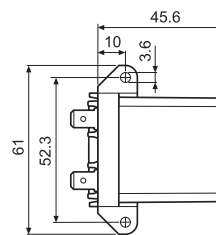


Flange mounting adaptor for types 62.3x and 62.8x.xxxx.xxx9

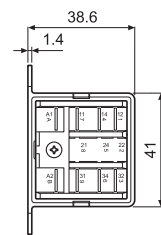
062.60



062.60

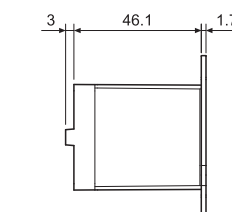
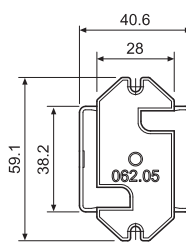


062.60 with relay

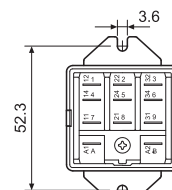


Top flange mount for types 62.3x and 62.8x.xxxx.xxx9

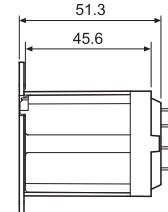
062.05



062.05

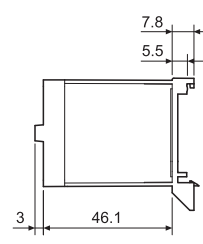
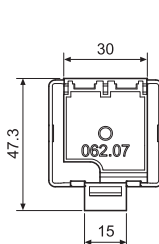


062.05 with relay

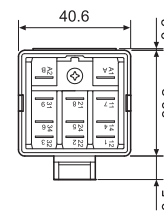


Top 35 mm rail (EN 60715) mount for types 62.3x and 62.8x.xxxx.xxx9

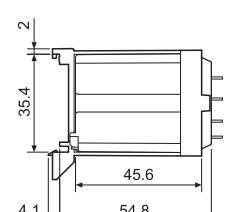
062.07



062.07

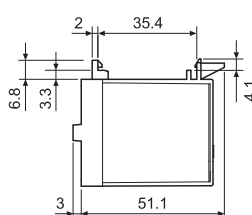
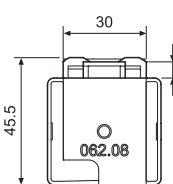


062.07 with relay

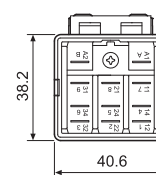


Rear 35 mm rail (EN 60715) mount for types 62.3x and 62.8x.xxxx.xxx9

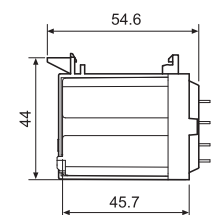
062.08



062.08



062.08 with relay



Sheet of marker tags for 62 series relays, plastic, 72 tags, 6x12 mm

060.72

92 Series - Sockets and accessories for 62 series relays

A



92.03

Approvals
(according to type):**Screw terminal (Box clamp) socket**

panel or 35 mm rail (EN 60715) mount

For relay type

92.03**Blue****92.03.0****Black**

62.31, 62.32, 62.33

Accessories

Metal retaining clip (supplied with socket - packaging code SMA)

092.71

Identification tag

092.00.2

Modules (see table below)

99.02

Timer modules (see table below)

86.00, 86.30

Technical data

Rated values

16 A - 250 V

Dielectric strength

6 kV (1.2/50 µs) between coil and contacts

Protection category

IP 20

Ambient temperature

°C -40...+70 (see diagram L92)

Screw torque

Nm 0.8

Wire strip length

mm 10

Max. wire size for 92.03 socket

solid wire

stranded wire

mm²

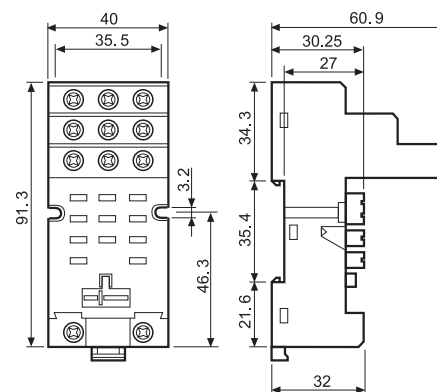
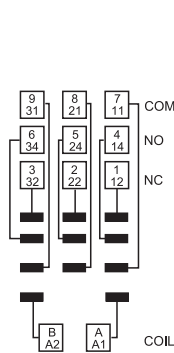
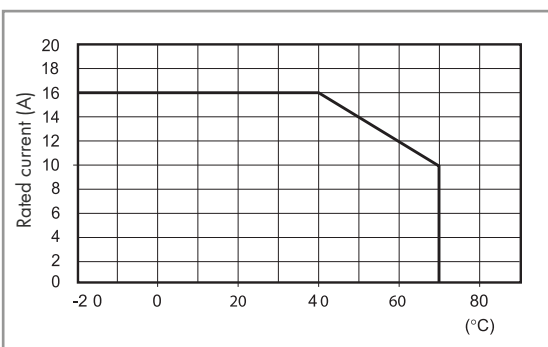
1x10 / 2x4

1x6 / 2x4

AWG

1x8 / 2x12

1x10 / 2x12

L 92 - Rated current vs ambient temperature

86.00



86.30

86 series timer modules

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

(12...24)V AC/DC; Bi-function: AI, DI; (0.05s...100h)

86.30.0.024.0000

(110...125)V AC; Bi-function: AI, DI; (0.05s...100h)

86.30.8.120.0000

(230...240)V AC; Bi-function: AI, DI; (0.05s...100h)

86.30.8.240.0000

Approvals

(according to type):



99.02

Approvals
(according to type):DC Modules with
non-standard polarity
(+A2) on request.**99.02 coil indication and EMC suppression modules for 92.03 socket**

Diode (+A1, standard polarity)	(6...220)V DC	99.02.3.000.00
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 + 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	(110...240)V AC	99.02.8.230.07

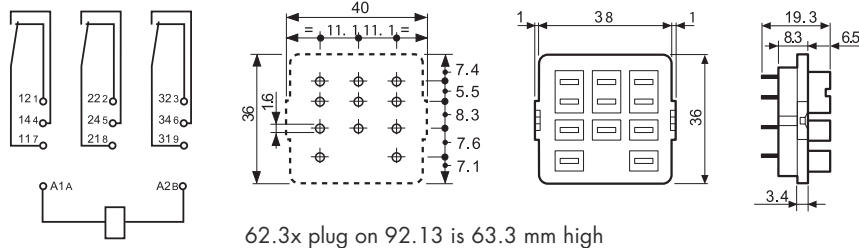


92.13

Approvals
(according to type):



PCB socket	92.13 (blue)	92.13.0 (black)
For relay type	62.31, 62.32, 62.33	
Accessories		
Metal retaining clip (supplied with socket - packaging code SMA)	092.54	
Technical data		
Rated values	10 A - 250 V	
Dielectric strength	2.5 kV AC	
Ambient temperature	°C -40...+70	

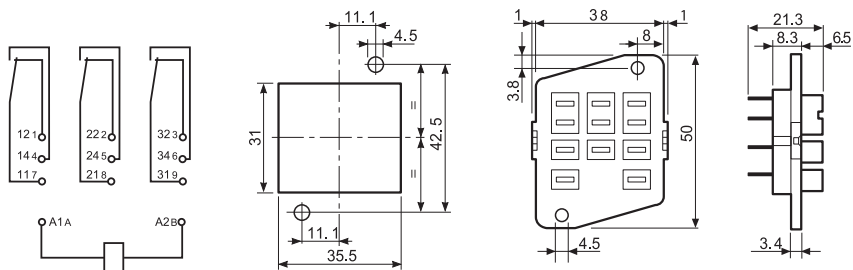


92.33

Approvals
(according to type):



Panel mount solder socket mounted with M3 screw	92.33 (blue)
For relay type	62.31, 62.32, 62.33
Accessories	
Metal retaining clip (supplied with socket - packaging code SMA)	092.54
Technical data	
Rated values	10 A - 250 V
Dielectric strength	2.5 kV AC
Ambient temperature	°C -40...+70



Packaging code

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

Example:

9 2 . 0 3 S M A

A Standard packaging

SM Metal retaining clip

9 2 . 0 3

Without retaining clip

