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finder
SWITCH TO THE FUTURE

Modular contactors
25 - 32 - 40 - 63 A

- Hotel room energy-enabling units
- Garden and night lighting
- Streetlights and car park lighting
- Bathrooms lighting control
- Office lighting control
- Pump control

22
SERIES

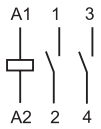
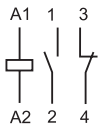
FINDER reserves the right to alter characteristics at any time without notice. FINDER assumes no liability for damage to persons or property, caused as a result of the incorrect use or application of its products.

25 A modular contactor - 2 pole

- 17.5 mm wide
- NO contact gap ≥ 3 mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical and LED indicators as standard
- Auto-On-Off selector version available
- AgNi and $AgSnO_2$ contact versions available
- Compliant with EN 61095: 2009
- Auxiliary contact module available, quick-assembly with the main contactor (1 NO + 1 NC and 2 NO versions)
- For railway applications; materials compliant with fire and smoke characteristics (EN 45545-2 + A1: 2016)
- 35 mm rail (EN 60715) mount

22.32…1xx0/22.32…4xx0
Screw terminal

For outline drawings see page 14

	22.32.0.xxx.1xx0	22.32.0.xxx.4xx0
	• AgNi contacts, specifically intended for resistive and slightly inductive loads as well as for motor loads	• $AgSnO_2$ contacts, specifically intended for lamp loads and for high inrush current loads
	 2 NO (x3x0)	 1 NO + 1 NC (x5x0)
	2 NC (x4x0)	

Contact specification			
Contact configuration		2 NO, 3 mm* (or 1 NO + 1 NC or 2 NC)	
Rated current/Maximum peak current	A	25/80	25/120
Rated voltage	V AC	250/440	250/440
Rated load AC1 / AC-7a (per pole @ 250 V)	VA	6250	6250
Rated current AC3 / AC-7b	A	10	10
Rated load AC15 (per pole @ 230 V)	VA	1800	1800
Single-phase motor rating (230 V AC)	kW	1	1
Rated current AC-5a (per pole @ 250 V)	A	15	15
Rated current AC-7c	A	—	10
Nominal lamp rating:			
230 V incandescent/halogen	W	800	2000
fluorescent tubes with electronic ballast	W	300	800
fluorescent tubes with electromagnetic ballast	W	200	500
CFL	W	100	200
230 V LED	W	100	200
LV halogen or LED with electronic ballast	W	100	200
LV halogen or LED with electromagnetic ballast	W	300	800
Breaking capacity DC1: 30/110/220 V	A	25/5/1	25/5/1
Minimum switching load	mW (V/mA)	1000 (10/10)	1000 (10/10)
Contact material		AgNi	$AgSnO_2$
Coil specification			
Nominal voltage (U_N)	V DC/AC (50/60 Hz)	12 - 24 - 48 - 60 - 120 - 230	12 - 24 - 48 - 60 - 120 - 230
Rated power AC/DC	VA (50 Hz)/W	2/2.2	2/2.2
Operating range	DC/AC (50/60 Hz)	(0.8…1.1)U_N	(0.8…1.1)U_N
Holding voltage	DC/AC (50/60 Hz)	0.4 U_N	0.4 U_N
Must drop-out voltage	DC/AC (50/60 Hz)	0.1 U_N	0.1 U_N
Technical data			
Mechanical life AC/DC	cycles	$2 \cdot 10^6$	$2 \cdot 10^6$
Electrical life at rated load AC-7a	cycles	$70 \cdot 10^3$	$30 \cdot 10^3$
Operate/release time	ms	30/20	30/20
Insulation between coil and contacts (1.2/50 µs)	kV	6	6
Ambient temperature range	°C	–25…+50	–25…+50
Protection category		IP 20	IP 20
Approvals (according to type)			

• Contact gap ≥ 3 mm for NO contacts only; NC contacts ≥ 1.5 mm

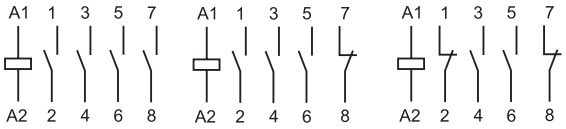
L

25 A modular contactor - 4 pole

- 35 mm wide
- NO contact gap ≥ 3 mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical and LED indicators as standard
- Auto-On-Off selector version available
- AgNi and $AgSnO_2$ contact versions available
- Compliant with EN 61095: 2009
- Auxiliary contact module available, quick-assembly with the main contactor (1 NO + 1 NC and 2 NO versions)
- For railway applications; materials compliant with fire and smoke characteristics (EN 45545-2 + A1: 2016)
- 35 mm rail (EN 60715) mount

22.34…1xx0/22.34…4xx0
Screw terminal

For outline drawings see page 14

	22.34.0.xxx.1xx0	22.34.0.xxx.4xx0
	• AgNi contacts, specifically intended for resistive and slightly inductive loads as well as for motor loads	• $AgSnO_2$ contacts, specifically intended for lamp loads and for high inrush current loads
		
	4 NO (x3x0)	3 NO + 1 NC (x7x0) / 2 NO + 2 NC (x6x0)
Contact specification		
Contact configuration	4 NO, 3 mm* (or 3NO + 1NC or 2NO + 2NC)	
Rated current/Maximum peak current A	25/80	25/120
Rated voltage V AC	250/440	250/440
Rated load AC1/AC-7a (per pole @ 250 V) VA	6250	6250
Rated current AC3/AC-7b A	10	10
Rated load AC15 (per pole @ 230 V) VA	1800	1800
Three-phase motor rating (400 - 440 V AC) kW	4	4
Rated current AC-5a (per pole @ 250 V) A	15	15
Rated current AC-7c A	—	10
Nominal lamp rating:		
230 V incandescent/halogen W	800	2000
fluorescent tubes with electronic ballast W	300	800
fluorescent tubes with electromagnetic ballast W	200	500
CFL W	100	200
230 V LED W	100	200
LV halogen or LED with electronic ballast W	100	200
LV halogen or LED with electromagnetic ballast W	300	800
Breaking capacity DC1: 30/110/220 V A	25/5/1	25/5/1
Minimum switching load mW (V/mA)	1000 (10/10)	1000 (10/10)
Contact material	AgNi	$AgSnO_2$
Coil specification		
Nominal voltage (U_N) V DC/AC (50/60 Hz)	12 - 24 - 48 - 60 - 120 - 230	12 - 24 - 48 - 60 - 120 - 230
Rated power AC/DC VA (50 Hz)/W	2/2.2	2/2.2
Operating range DC/AC (50/60 Hz)	(0.8…1.1)U_N	(0.8…1.1)U_N
Holding voltage DC/AC (50/60 Hz)	0.4 U_N	0.4 U_N
Must drop-out voltage DC/AC (50/60 Hz)	0.1 U_N	0.1 U_N
Technical data		
Mechanical life AC/DC cycles	$2 \cdot 10^6$	$2 \cdot 10^6$
Electrical life at rated load AC-7a cycles	$150 \cdot 10^3$	$30 \cdot 10^3$
Operate/release time ms	18/40	18/40
Insulation between coil and contacts (1.2/50 µs) kV	6	6
Ambient temperature range °C	–25…+50	–25…+50
Protection category	IP 20	IP 20
Approvals (according to type)		

* Contact gap ≥ 3 mm for NO contacts only; NC contacts ≥ 1.5 mm

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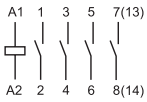
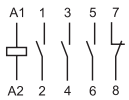
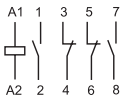
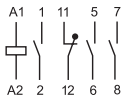
40 - 63 A modular contactor - 4 pole

- NO and NC contact gap ≥ 3 mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical indicator as standard
- Compliant with EN 60947-4-1 (Mirror Contact) version available
- Auxiliary modules compliant with EN 60947-5-1 (mechanically linked contacts)
- $AgSnO_2$ contacts
- Compliant with EN 61095: 2009
- 35 mm rail (EN 60715) mount

22.44…/22.64…
Screw terminal

For outline drawings see page 14

	22.44.0.xxx.4xxx	22.64.0.xxx.4xxx
	• For high inrush current loads 176 A • Contact material $AgSnO_2$	• Specifically intended: for high inrush current loads 240 A • Contact material $AgSnO_2$
	 4 NO (4310)	 3 NO + 1 NC (4710)
	 2 NO + 2 NC (4610)	 3 NO + 1 NC (4717)
Contact specification		
Contact configuration	4 NO, (or 3NO + 1NC or 2NO + 2NC) ≥ 3 mm	
Rated current/Maximum peak current A	40/176	63/240
Rated voltage/Maximum switching voltage V AC	400/480	400/480
Rated load AC1 / AC-7a (per pole @ 400 V) VA	16000	24000
Rated current AC3 / AC-7b (400 V) A	22	30
Three-phase motor rating (400 - 440 V AC) kW	11	15
Rated current AC-5a (per pole @ 250 V) A	20	32
Rated current AC-7c A	—	—
Nominal lamp rating:		
230 V incandescent/halogen W	4000	5000
fluorescent tubes with electronic ballast W	1500	2000
fluorescent tubes with electromagnetic ballast W	1500	2000
CFL W	1000	1500
230 V LED W	1000	1500
LV halogen or LED with electronic ballast W	1000	1500
LV halogen or LED with electromagnetic ballast W	1500	2000
Breaking capacity DC1: 30/110/220 V A	40/4/1.2	63/4/1.2
Minimum switching load mW (V/mA)	1000 (17/50)	1000 (17/50)
Contact material	$AgSnO_2$	$AgSnO_2$
Coil specification		
Nominal voltage (U_N) V DC/AC (50/60 Hz)	12 - 24 - 110…120 (110 V DC) - 230…240 (220 V DC)	
Rated power AC/DC VA (50 Hz)/W	6	6
Operating range DC/AC (50/60 Hz)	(0.85…1.1)U_N	(0.85…1.1)U_N
Holding voltage DC/AC (50/60 Hz)	0.85 U_N	0.85 U_N
Must drop-out voltage DC/AC (50/60 Hz)	0.2 U_N	0.2 U_N
Technical data		
Mechanical life AC/DC cycles	$3 \cdot 10^6$	$3 \cdot 10^6$
Electrical life at rated load AC-7a cycles	$100 \cdot 10^3$	$100 \cdot 10^3$
Operate/release time ms	20/45	20/45
Insulation between coil and contacts (1.2/50 µs) kV	6	6
Ambient temperature range °C	–15…+55 (–30…+55)*	–15…+55 (–30…+55)*
Protection category	IP 20	IP 20
Approvals (according to type)	CE UKCA EAC cULus	

* 4 NO version only

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32 A modular contactor - 2 or 4 pole

- NO and NC contact gap ≥ 3 mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical indicators as standard
- Compliant with EN 60947-4-1 (Mirror Contact) version available
- AgNi contacts
- Compliant with EN 61095: 2009
- 35 mm rail (EN 60715) mount

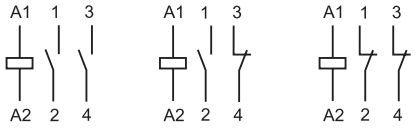
22.72…/22.74…
Screw terminal

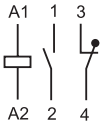
* For ambient temperature range see the derating curve or derating table page 9.

For outline drawings see page 14

NEW 22.72.0.xxx.1x10

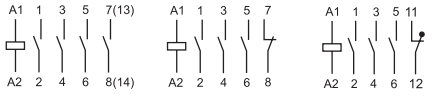
- 17.5 mm wide
- Contact material AgNi





NEW 22.74.0.xxx.1x10

- 35 mm wide
- Contact material AgNi



Contact specification			
Contact configuration		2 NO, 1 NO + 1 NC, 2 NC	4 NO, 3 NO + 1 NC, 2 NO + 2 NC, 4 NC
Rated current/Maximum peak current	A	32/72	32/68
Rated voltage	V AC	230/400	230/400
Rated load AC1 / AC-7a (per pole @ 400 V)	VA	7000/—	7000/21 000
Rated current AC3 / AC-7b (per pole @ 400 V)	A	9 (NO) - 6 (NC)	8.5 (NO) - 8.5 (NC)
Single/Three-phase motor rating	kW	1.3 (NO) - 0.75 (NC) (@230 V AC)	4 (@400 V AC)
Rated current AC-5a (per pole @ 250 V)	A	13	13
Rated current AC-7c	A	—	—
Rated current AC15	A	12	12
Nominal lamp rating:			
230 V incandescent/halogen	W	2500	2500
fluorescent tubes with electronic ballast	W	700	700
CFL	W	250	250
230 V LED	W	300	300
LV halogen or LED with electronic ballast	W	300	300
LV halogen or LED with electromagnetic ballast	W	500	500
Breaking capacity DC1: 30/110/220 V	A	32/6/0.6	32/6/0.6
Minimum switching load	mW (V/mA)	1000 (17/50)	1000 (17/50)
Contact material		AgNi	AgNi
Coil specification			
Nominal voltage (U_N)	V DC/AC (50/60 Hz)	24 - 48 - 110 - 220/24 - 48 - 110 - 230	
Rated Power AC/DC	VA (50 Hz)/W	2.1	2.6/3.8 (4 NC)
Operating range	AC/DC (50/60 Hz)	(0.85…1.1)U_N	
Holding voltage	AC/DC (50/60 Hz)	0.85 U_N	
Must drop-out voltage	AC/DC (50/60 Hz)	0.2 U_N	
Technical data			
Mechanical life AC/DC	cycles	10 000 000	10 000 000
Electrical life at rated load AC-7a	cycles	150 000 (NO)/100 000 (NC)	150 000
B10d - AC1 (230 V - 32 A)		150 000	150 000
Operate/release time	ms	45/50	45/70
Insulation between coil and contacts (1.2/50 µs)	kV	4	4
Ambient temperature range	°C	–15…+55 (–25…70)*	–15…+55 (–25…70)*
Protection category		IP 20	IP 20
Approvals (according to type)		CE UK CA EAC	

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Ordering information

Exemple: 22 series, modular contactor 25 A, 4 NO contacts, coil 230 V AC/DC, $AgSnO_2$ contacts, Auto-On-Off selector + mechanical indicator + LED.

										A	B	C	D	
2	2	.	3	4	.	0	.	2	3	0	.	4	3	4	0	

Series

Type
3 = 25 A modular contactor range
4 = 40 A modular contactor range
6 = 63 A modular contactor range
7 = 32 A modular contactor range

Number of contacts
2 = 2 pole
4 = 4 pole

Coil version
0 = AC (50/60 Hz)/DC

Coil rated voltage
See coil specifications

D: Special versions
0 = Standard
7 = Conform to EN 60947-4-1: Mirror contacts

C: Options
1 = Mechanical indicator
2 = Mechanical indicator + LED
4 = Auto-On-Off selector + mechanical indicator + LED

B: Contact circuit
3 = All NO contacts
4 = All NC contacts (22.32, 22.72 and 22.74)
5 = 1 NO + 1 NC (SPST-NO + SPST-NC)
6 = 2 NO + 2 NC (DPST-NO + DPST-NC)
7 = 3 NO + 1 NC (3PST-NO + SPST-NC)

A: Contact material
1 = AgNi
4 = $AgSnO_2$

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
22.32	AC/DC	**1 - 4**	**3** - 4 - 5	**2 - 4**	0
22.34	AC/DC	**1 - 4**	**3** - 6 - 7	**2 - 4**	0
22.44	AC/DC	**4**	**3** - 6 - 7	**1**	0 - 7
22.64	AC/DC	**4**	**3** - 6 - 7	**1**	0 - 7
22.72	AC/DC	**1**	**3** - 4 - 5	**1**	0 - 7
22.74	AC/DC	**1**	**3** - 4 - 6 - 7	**1**	0 - 7

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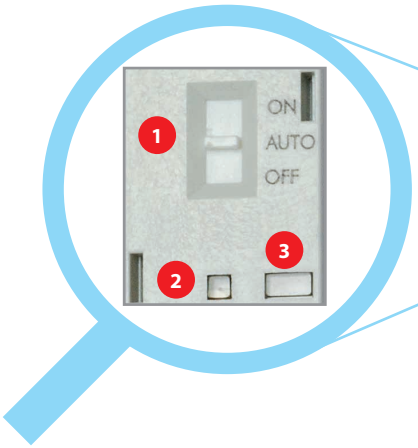
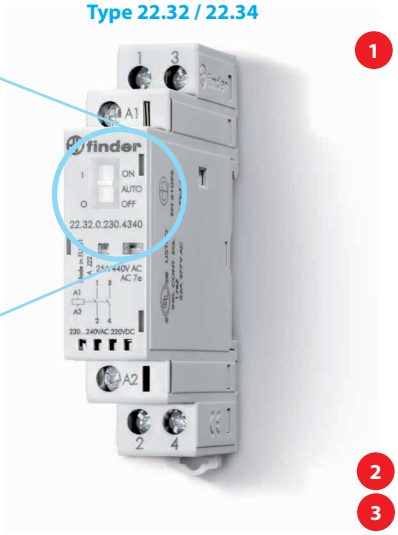
Options

Auto-On-Off selector + mechanical indicator + LED (xx40 option)



Type 22.32 / 22.34

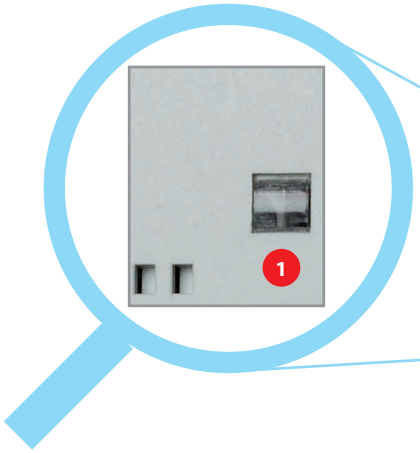


Options

1. **Selector**
The three-position manual selector has the following functions:
- **ON position** - the contacts are latched in the operated state (NO contacts - closed and NC contacts - open), the mechanical indicator is visible in its window, the LED is not illuminated.
- **AUTO position** - the state of contacts, mechanical indicator and LED follow the coil supply voltage.
- **OFF position** - even if terminals A1 - A2 are supplied with rated voltage, the coil is not energized, and so the contacts remain in the non-operated state, the mechanical indicator is not visible and the LED is not illuminated.

2. **LED**

3. **Mechanical indicator**



Type 22.44 / 22.64 / 22.72 / 22.74

Options

1. **Mechanical indicator**

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Technical data

Insulation		22.32/22.34		22.44/22.64	22.72/22.74
Rated insulation voltage	V AC	250	440	440	440
Pollution degree		3*	2	3	3
Insulation between coil and contact set					
Type of insulation		Reinforced		Reinforced	Reinforced
Overvoltage category		III		III	III
Rated impulse voltage	kV (1.2/50 µs)	6		4	4
Dielectric strength	V AC	4000		2000	2000
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	2500		2000	2000
Insulation between open contacts		**NO contact**	**NC contact**	**NO/NC contacts**	**NO/NC contacts**
Contact gap	mm	3	1.5	3	3
Overvoltage category		III	II	III	III
Rated impulse voltage	kV (1.2/50 µs)	4	2.5	4	4
Dielectric strength	V AC/kV (1.2/50 µs)	2500/4	2000/3	2000/3	2000

* Only for versions without Auto-On-Off selector. For versions with Auto-On-Off selector pollution degree 2 applies.

Insulation between coil terminals					
Rated impulse voltage (surge) differential mode (according to EN 61000-4-5)	kV (1.2/50 µs)	4		2	2
Short circuit protection		**22.32 / 22.34**	**22.44**	**22.64**	**22.72/22.74**
Rated conditional short circuit current	kA	3	3	3	3
Back-up fuse	A	32 (gL/gG type)	63	80	32

Terminals		**Solid and stranded cable**		
		22.32 / 22.34	**22.44 / 22.64**	**22.72/22.74**
Max. wire size – contact terminals	mm^2	1 x 6 / 2 x 4	1 x 25 (solid) - 1 x 16 (stranded)	1 x 10 (solid) 1 x 6 (stranded)
	AWG	1 x 10 / 2 x 12	1 x 4 (solid) - 1 x 6 (stranded)	1 x 7 (solid) 1 x 9 (stranded)
Max. wire size – coil terminals	mm^2	1 x 4 / 2 x 2.5	1 x 2.5	1 x 2.5
	AWG	1 x 12 / 2 x 14	1 x 14	1 x 14
Min. wire size – contact and coil terminals	mm^2	1 x 0.2	1 x 1 (coil) - 1 x 1.5 (contacts)	1 x 1 (coil) - 1 x 1 (contacts)
	AWG	1 x 24	1 x 18 (coil) - 1 x 16 (contacts)	1 x 17 (coil) - 1 x 1 (contacts)
Screw torque	Nm	0.8	1.2 (coil terminals) - 3.5 (contact terminals)	0.6 (coil terminals) - 1.2 (contact terminal)
Wire strip length	mm	9	10	7 (coil) - 9 (terminals)

Other data			**22.32**	**22.34**	**22.44**	**22.64**	**22.72/22.74**
Vibration resistance (10…150)Hz		g	4	4	3	3	3
Shock resistance		g	10	10	15	15	15
Power lost to the environment	without contact current	W	2	2	6	6	2.8
	with rated current	W	4.8	6.3	17	37	12.8

NOTE

22.32/22.34: It is suggested an air gap of 9 mm between adjacent relays for installations and working conditions close to the limit (that is, ambient temperature > 40 °C, coil operated for a prolonged period of time, all contacts loaded with current > 20 A).

22.44/22.64: The maximum ambient temperature with 3 adjacent contactors is + 40 °C; when more than 3 contactors are installed, it is necessary an air gap of 9 mm. With 2 adjacent contactors the maximum ambient temperature is + 55 °C; when more than 2 contactors are installed, it is necessary an air gap of 9 mm.

Current - Temperature derating

Type of contactor		**22.72**	**22.74**	**22.44**	**22.64**
Rated current	A	32	32	40	63
Operating ambient temperature		–25 °C…+70 °C (2NO contacts)	–25 °C…+70 °C (4NO contacts)		
		–15 °C…+55 °C (1NO+1NC contacts)	–15 °C…+70 °C (3NO+1NC contacts)		
		–15 °C…+55 °C (2NC contacts)	–15 °C…+55 °C (2NO+2NC contacts)		
		—	–15 °C…+55 °C (4NC contacts)		—
Number of contactors side-by-side:	≤40 °C	max. 3			
	(40…55) °C	max. 2			
	(55…70) °C	max. 1 (ventilation madule or least 9 mm free space on each side)			
Max. thermal current up to +55 °C	A	32	32	40	63
Max. thermal current @ +70 °C	A	25	25	40	50
Min. conductor @ thermal current @ +70 °C	mm^2	6	6	10	16
Tigtening torque - main circuit	Nm	1.2	1.2	3.5	3.5

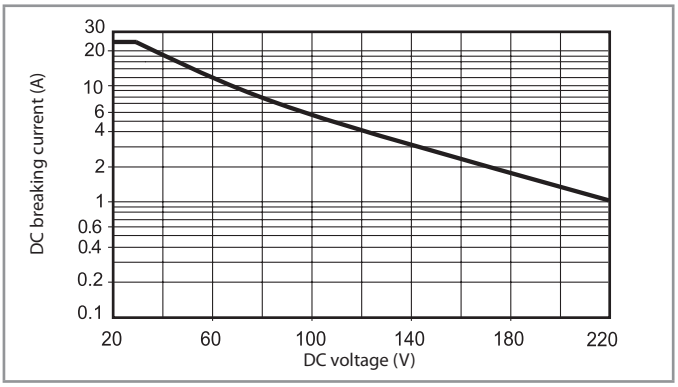
Contact specification

Ratings and utilization categories according to EN 61095: 2009

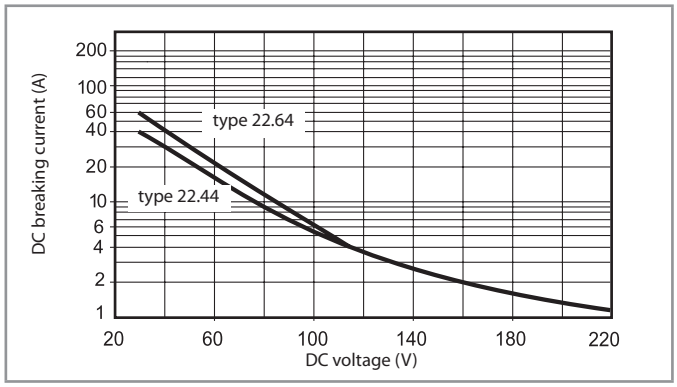
Type	Utilization category					
	AC-7a		AC-7b		AC-7c	
	Rated current (A)	Rated electrical life (Cycles)	Rated current (A)	Rated electrical life (Cycles)	Rated current (A)	Rated electrical life (Cycles)
22.32….1xx0 (AgNi contacts)	25	$70 \cdot 10^3$ (NO) $30 \cdot 10^3$ (NC)	10	$30 \cdot 10^3$	—	—
22.32….4xx0 ($AgSnO_2$ contacts)	25	$30 \cdot 10^3$	10	$30 \cdot 10^3$	10	$30 \cdot 10^3$
22.34….1xx0 (AgNi contacts)	25	$150 \cdot 10^3$ (NO) $100 \cdot 10^3$ (NC)	10	$30 \cdot 10^3$	—	—
22.34….4xx0 ($AgSnO_2$ contacts)	25	$30 \cdot 10^3$	10	$30 \cdot 10^3$	10	$30 \cdot 10^3$
22.44….4xx0	40	$100 \cdot 10^3$	22	$150 \cdot 10^3$	—	—
22.64….4xx0	63	$100 \cdot 10^3$	30	$150 \cdot 10^3$	—	—
22.72….1410	32	$150 \cdot 10^3$ (NO) - $100 \cdot 10^3$ (NC)	9 (NO) / 6 (NC)	$30 \cdot 10^4$	—	—
22.74….1410	32	$150 \cdot 10^3$	8.5	$50 \cdot 10^4$	—	—

Utilization category: **AC-7a** = Slightly inductive loads ($\cos \varphi = 0.8$)
AC-7b = Motor loads; ($\cos \varphi = 0.45$, $I_{making} = 6x\ I_{breaking}$)
AC-7c = Compensated electric discharge lamps ($\cos \varphi = 0.9$, C = 10 mF/A)

H 22 - Maximum DC1 breaking capacity - Type 22.32/22.34

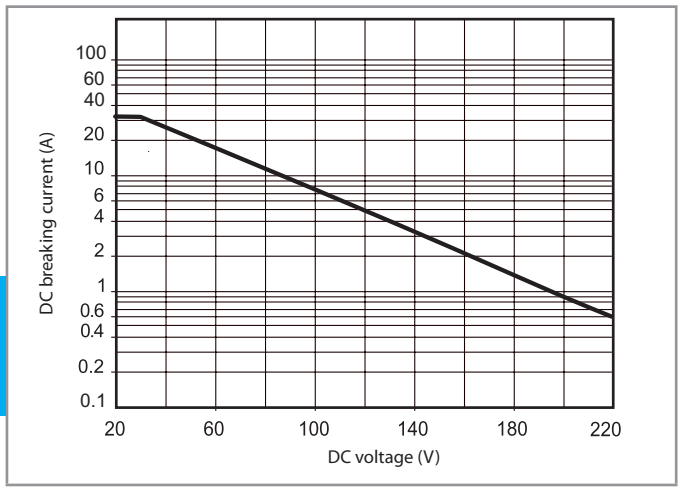


H 22 - Maximum DC1 breaking capacity - Type 22.44/22.64



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of ≥ $100 \cdot 10^3$ 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 for the load will be increased.

H 22 - Maximum DC1 breaking capacity - Type 22.72/22.74



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Coil specifications

AC/DC version data (type 22.32)

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Rated coil consumption I_N at U_N (AC)
V		V	V	mA
12	**0**.012	9.6	13.2	165
24	**0**.024	19.2	26.4	83
48	**0**.048	38.4	52.8	42
60	**0**.060	48	66	33
120 (110…125)	**0**.120	88	138	16.5
230 (230…240 AC) (220 DC)	**0**.230	184 (AC) 176 (DC)	264 (AC) 242 (DC)	8.7

AC/DC version data (type 22.34)

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Rated coil consumption I_N at U_N (AC)
V		V	V	mA
12	**0**.012	9.6	13.2	165
24	**0**.024	19.2	26.4	83
48	**0**.048	38.4	52.8	42
60	**0**.060	48	66	33
120 (110…125)	**0**.120	88	138	16.5
230 (230…240 AC) (220 DC)	**0**.230	184 (AC) 176 (DC)	264 (AC) 242 (DC)	8.7

AC/DC version data (type 22.44 / 22.64)

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Rated coil consumption I_N at U_N (AC)
V		V	V	mA
12	**0**.012	10.2	13.2	495
24	**0**.024	20.4	26.4	250
120 (110…125)	**0**.120	102	138	50
230 (230…240 AC) (220 DC)	**0**.230	196	264 (AC) 242 (DC)	26

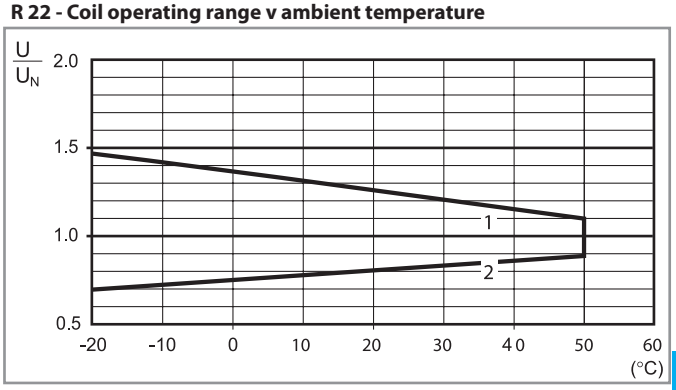
AC/DC version data (type 22.72)

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Rated coil consumption I_N at U_N (AC)
V		V	V	mA
24	**0**.024	20.4	26.4	98
48	**0**.048	40.8	52.8	44
110	**0**.110	93.5	121	20
230	**0**.230	195.5	253	9.2

AC/DC version data (type 22.74)

Nominal voltage U_N	Coil code	Operating range U_{min}	Operating range U_{max}	Rated coil consumption I_N at U_N (AC)
V		V	V	mA
24	**0**.024	20.4	26.4	110
48	**0**.048	40.8	52.8	54.6
110	**0**.110	93.5	121	24.5
230	**0**.230	195.5	253	10.8

R 22 - Coil operating range v ambient temperature



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

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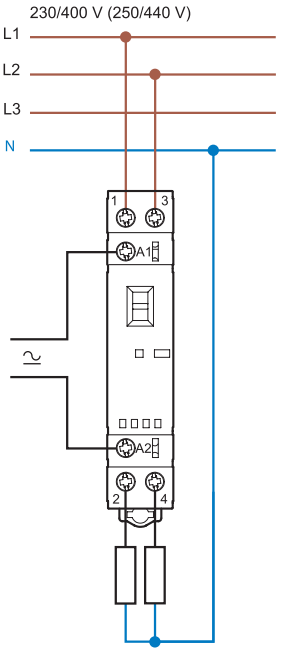
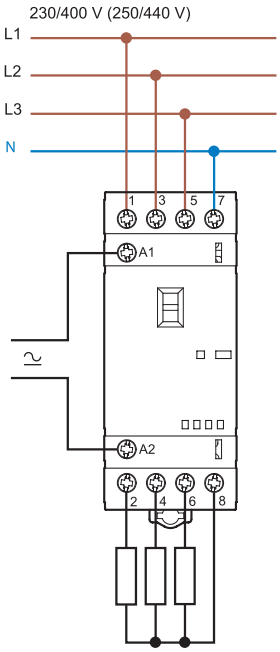
Wiring diagrams



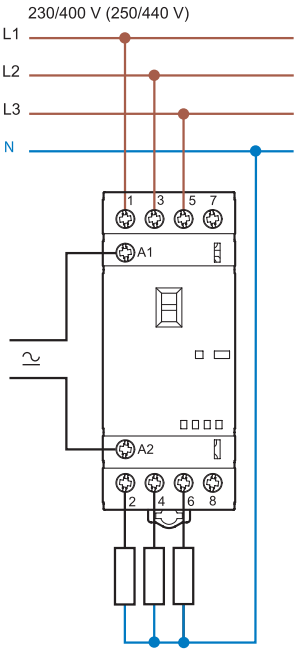
Type 22.32

Line and neutral switched



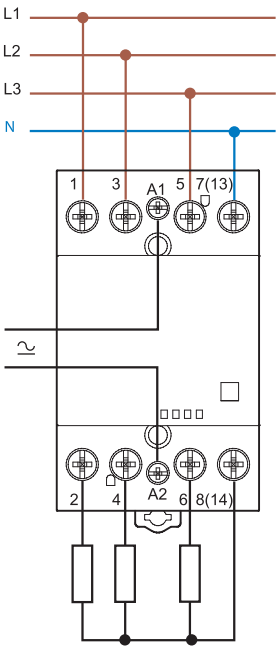
Type 22.34

Line only switched



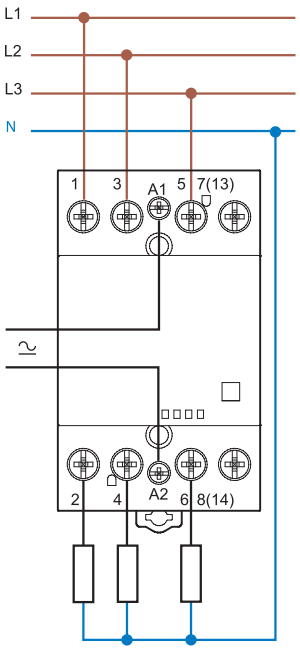
Type 22.34

Line and neutral switched



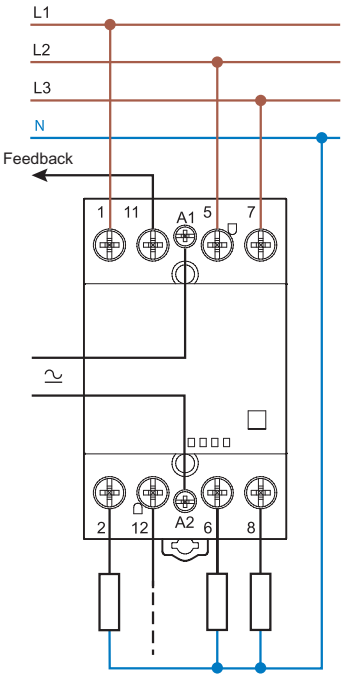
Type 22.44/22.64

Line only switched



Type 22.44/22.64

Mirror Contacts



Type 22.xx.4717

Example of application of contactor with Mirror Contacts: Normally closed contact is definitely in open position if the normally open contact is closed

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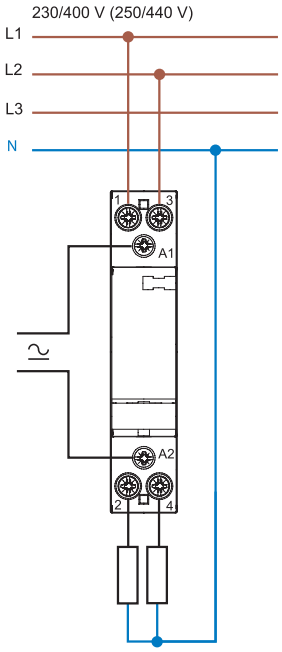
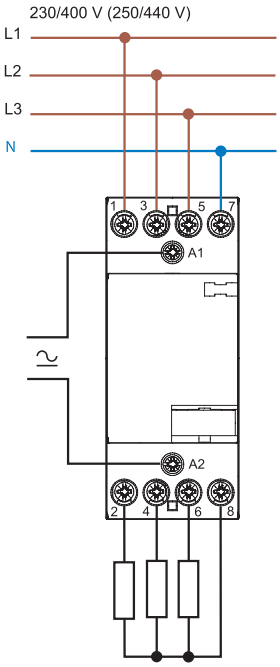
Wiring diagrams

Phase interruption only



Type 22.72

Phase and neutral interruption



Type 22.74

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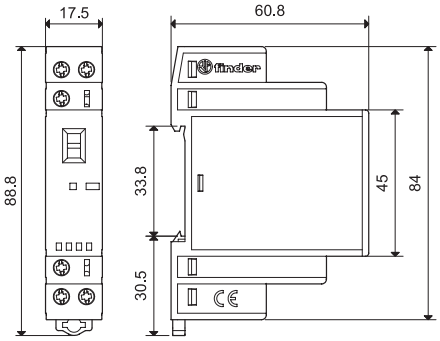
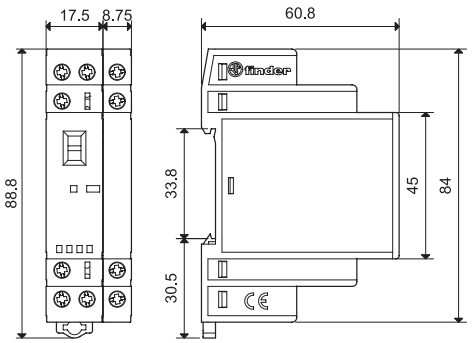
Outline drawings

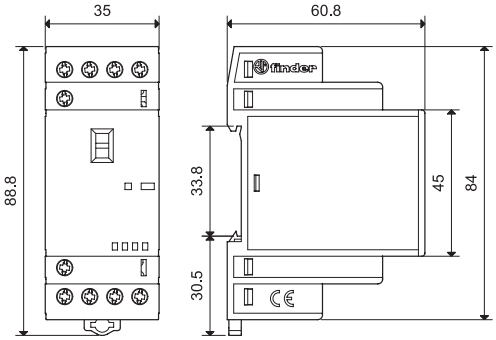
Type 22.32
Screw terminal



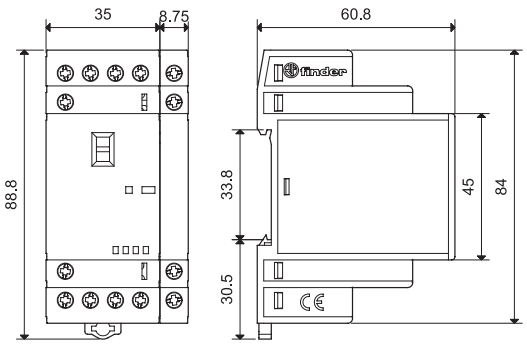
Types 22.32 + 022.33/022.35
Screw terminal



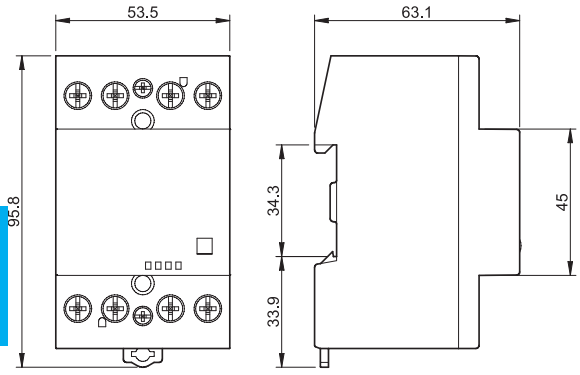
Type 22.34
Screw terminal



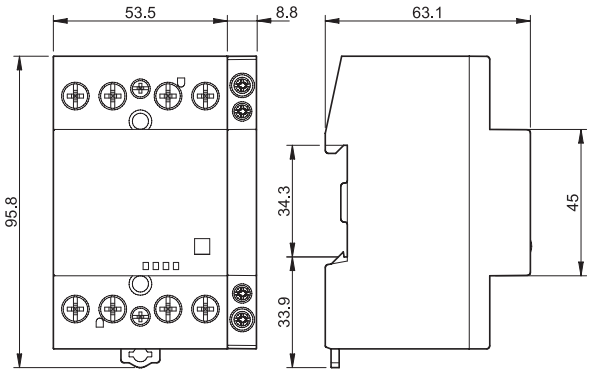
Types 22.34 + 022.33/022.35
Screw terminal



Types 22.44/22.64
Screw terminal



Types 22.44/22.64 + 022.63/022.65
Screw terminal



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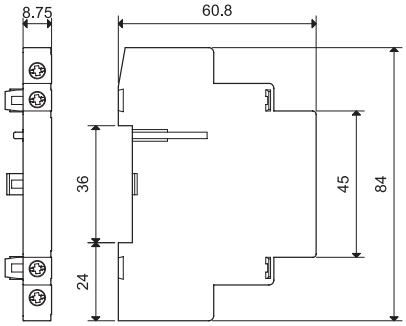
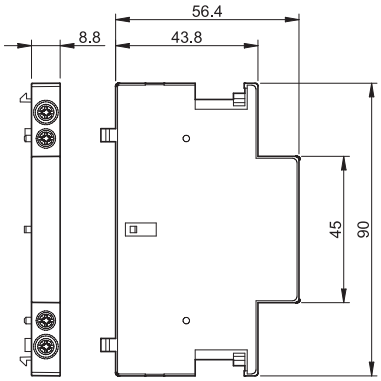
Outline drawings

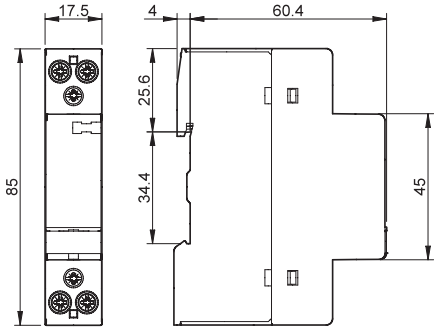
Types 022.33/022.35
Screw terminal



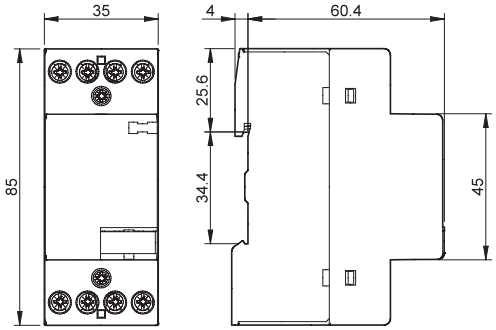
Types 022.63/022.65
Screw terminal



Type 22.72
Screw terminal



Types 22.74
Screw terminal



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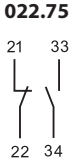
Auxiliary modules

Mechanically linked contacts according to Annex L of EN 60947-5-1

	022.33	022.35	022.63	022.65	022.7x	
					022.73	**022.75** 
Type of contactor	Type 22.32 Type 22.34		Type 22.44 Type 22.64		Type 22.74	
Contact specification						
Contact configuration	2 NO	1 NO + 1 NC	2 NO	1 NO + 1 NC	2 NO	1 NO + 1 NC
Conventional free air thermal current I_{th} A	6		6		6	
Rated power AC15 (230 V) VA	700		700		700	
Electrical life at rated load cycles	$30 \cdot 10^3$		$30 \cdot 10^3$		$30 \cdot 10^3$	
Minimum switching load mW (V/mA)	1000 (10/10)		1000 (10/10)		1000 (10/10)	
Contact material	AgNi		AgNi		AgNi	
Short circuit protection						
Rated conditional short circuit current kA	1		1		1	
Back-up fuse A	6 (gL/gG type)		6 (gL/gG type)		6 (gL/gG type)	
Terminals	**Solid and stranded cable**		**Solid and stranded cable**		**Solid and stranded cable**	
Max. wire size mm^2	1 x 4 / 2 x 2.5		1 x 2.5		1 x 2.5	
AWG	1 x 12 / 2 x 14		1 x 14		1 x 14	
Min. wire size mm^2	1 x 0.2		1 x 1		1 x 1	
AWG	1 x 24		1 x 18		1 x 18	
Screw torque Nm	0.6		0.6		0.6	
Wire strip length mm	9		9		9	
Power lost to the environment						
without contact current W	—		—		—	
with rated current W	0.5		0.5		0.5	
Approvals (according to type)	CE UK CA EAC RINA cULus		CE UK CA EAC cULus		CE UK CA	

NOTE: It is not possible to assembly the auxiliary module on 22.32.0.xxx.x4x0 (2 NC versions).

22.32 + 022.33/022.35

22.44 + 022.63/022.65

22.34 + 022.33/022.35

22.64 + 022.63/022.65

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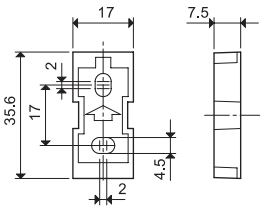
Accessories

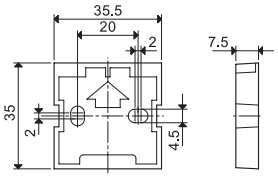
020.01

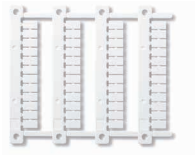
Adaptor for panel mounting (for 22.32 type), plastic, 17.5 mm wide | 020.01



011.01

Adaptor for panel mounting (for 22.34 type), plastic, 35 mm wide | 011.01



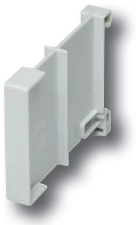


060.48

Sheet of marker tags (CEMBRE Thermal transfer printers) for all relays (48 tags), 6 x 12 mm | 060.48

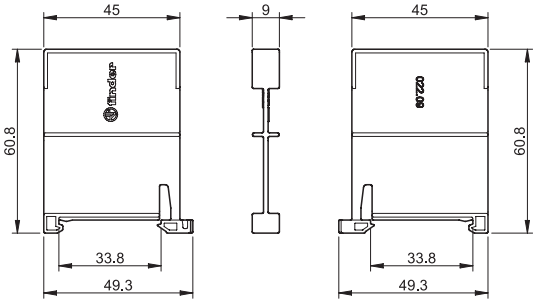
019.01

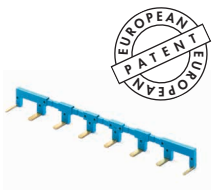
Identification tag, plastic, 1 tag, 17x25.5 mm | 019.01



022.09

Separator for rail mounting, plastic, 9 mm wide | 022.09

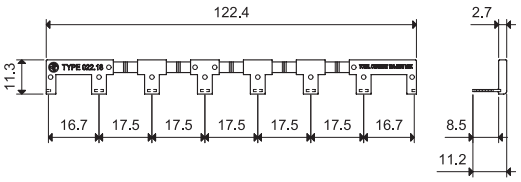


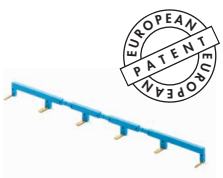


022.18

8-way jumper link for type 22.32, 17.5 mm wide | 022.18 (blue)

Rated values | 10 A - 250 V

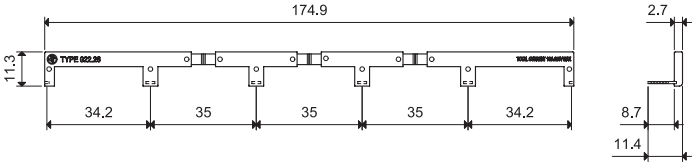




022.26

6-way jumper link for type 22.34, 35 mm wide | 022.26 (blue)

Rated values | 10 A - 250 V



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