



**Contactor Relay**  
 Series 8510



- > Screw fastening version
  - robust
  - vibration resistant
  - reliable
- > Corrosion resistant enclosure material
- > Easily accessible connection terminals enable
  - safe connection
  - einfaceasy installation
- > Modular technology
  - clear arrangement in the Ex e enclosure
  - flexibly expandable for system modifications



03681E00

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	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x			

**Explosion Protection**

**Marking**

IECEX | Ex d e IIC, Ex d e I  
 Europe (ATEX) | II 2G Ex de [ia] IIC, I M2 Ex de I

**Certificates**

IECEX | IECEx BVS 07.0029U  
 Europe (ATEX) | DMT 00 ATEX E 073 U  
 Further certificates | Canada (CSA), Belarus (Gospromnadzor)


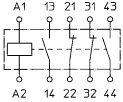
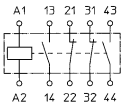
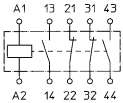
E9

**WebCode 8510M**

# Contactor Relay

## Series 8510

### Selection Table

Version	Circuit diagram	Rated operating voltage	Order number	Weight kg
Contactor relay with 4 contacts   12021E00	 08070E	* AC: 230 / 240 V, 50 / 60 Hz	<b>8510/141-03-606-070</b>	1.324
	 08070E	* DC: 24 V	<b>8510/141-03-606-210</b>	1.357
	 08070E	Please refer to order number supplement and add it to the type	<b>8510/141-03-606-..0</b>	1.360

### Order Number Supplement


Rated operating voltage	AC: 24 V, 50 / 60 Hz	<b>8510 / .....-01.</b>
	AC: 42 V, 50 / 60 Hz	<b>8510 / .....-02.</b>
	* AC: 110 V, 50 / 60 Hz	<b>8510 / .....-03.</b>
	AC: 500 V, 50 / 60 Hz	<b>8510 / .....-06.</b>
	* AC: 230 / 240 V, 50 / 60 Hz	<b>8510 / .....-07.</b>
	AC: 400 / 415 V, 50 / 60 Hz	<b>8510 / .....-08.</b>
	* DC: 24 V	<b>8510 / .....-21.</b>
	DC: 12 V	<b>8510 / .....-22.</b>
	* DC: 48 V	<b>8510 / .....-23.</b>
	DC: 110 V	<b>8510 / .....-24.</b>
	DC: 200 V	<b>8510 / .....-25.</b>
	DC: 230 V	<b>8510 / .....-26.</b>
	DC: 240 V	<b>8510 / .....-27.</b>
	* Preferred voltage	

# Contactor Relay

## Series 8510



### Selection Table

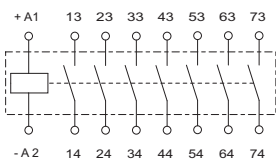
Version	Circuit diagram	Rated operating voltage	Order number	Weight kg
Contactor relay with max. 7 contacts   12010E00	Please state with order	Please refer to order number supplement and add it to the type	<b>8510/122-03-60 . . . 0</b>	1.850

### Order Number Supplement

#### Contacts

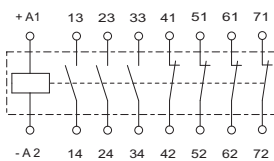
Please state contact arrangement in text

7 NO



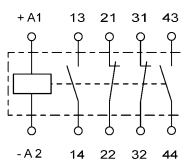
10624E00

3 NO+ 4 NC



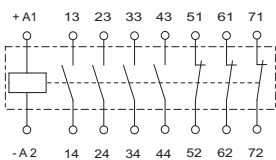
10625E00

2 NO+ 2 NC



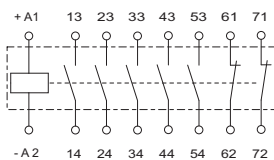
10630E00

4 NO + 3 NC



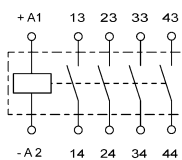
10626E00

5 NO + 2 NC



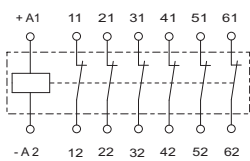
10627E00

4 NO



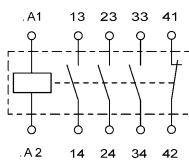
10632E00

6 NC



10628E00

3 NO+ 1 NC



10629E00

E9

# Contactor Relay

## Series 8510

### Technical Data

#### Electrical data

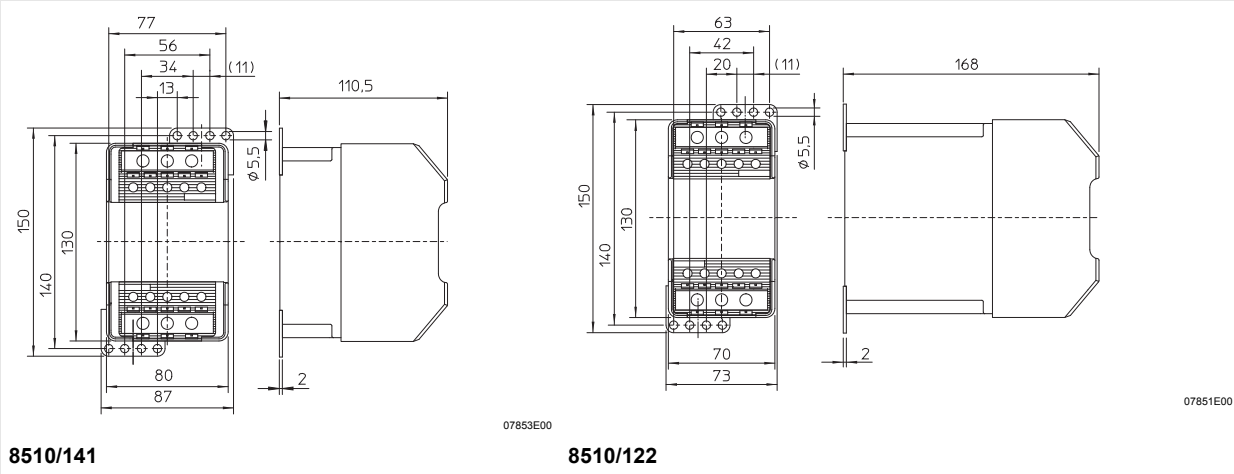
Actuating voltage	Coil voltage possible:	
	AC	24 V
	(50 / 60 Hz)	42 V
		110 V*
		230 / 240 V*
		400 / 415 V
		500 V
	DC	24 V*
		12 V
		48 V*
		110 V
		200 V
		230 V
		240 V
	* Preferred voltage	
Voltage range	( $\leq 50\text{ °C}$ ) (coil)	
	Operation range	0.8 ... 1.15 $U_c$ 50 Hz
		0.85 ... 1.1 $U_c$ 60 Hz
Auxiliary contacts	max. 690 V	
Rated operational voltage $U_e$	6 A at $\theta \leq 50\text{ °C}$	
Conventional thermal current $I_{th}$	... 400 Hz	
Frequency range	$U_{min}$ (DIN 19 240) = 17 V	
Minimum switching capacity	$I_{min}$ = 5 mA	
Short-circuit protection	10 A, gG; to IEC 947, VDE 0660 / IEC 60947	
Max. operating cycles	10 000 switching cycles / h	
Average power consumption	at $U_c$ and $20\text{ °C}$	
	AC-coil	DC-coil
	Pick-up	30 VA      3 W
	Holding	4,5 VA      3 W
Mechanical life	10 Mio. switching cycles at $U_c$ (coil 50 / 60 Hz)	
	20 Mio. switching cycles at $U_c$ (DC-coil)	
<b>Ambient Conditions</b>		
Ambient temperature		
Storage	- 50 ... + 80 °C	
Operation at $U_c$	- 20 ... + 40 °C	
<b>Mechanical data</b>		
Material		
Enclosure material	Epoxy resin	
Terminal cover	Polyamide; IP20, finger-contact safety according to IEC 60 529	
Conductor cross-section		
Auxiliary contacts	0.75 ... 1.5 mm <sup>2</sup> flexible	
	0.75 ... 2.5 mm <sup>2</sup> solid	

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### Dimension Drawings (All Dimensions in mm) - Subject to Alteration



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.