

Contactor 4 kW / 400 V with 3 Main Contacts and max. 4 Auxiliary Contacts

Series 8510/122



- > 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



10171E00

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

Explosion Protection

Global (IECEx)

Gas	IECEx BVS 07.0029U Ex d e IIC, Ex d e I
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Europe (ATEX)

Gas	DMT 00 ATEX E 073 U II 2G Ex d e IIC I M2 Ex d e I
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Certifications and certificates

Certificates	ATEX, IECEx, Belarus (operating authorisation)
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E9

WebCode 8510B

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Selection Table

Version	Circuit diagram	Rated operating voltage	Order number	Weight kg
Contactor 4 kW / 400 V with 3 main contacts and 1 NO auxiliary contact	<p style="text-align: center;">08071E00</p>	Please refer to order number supplement and add it to the type	8510/122-03-131-..0	1.850
Contactor 4 kW / 400 V with 3 main contacts and 1 NC auxiliary contact	<p style="text-align: center;">08072E00</p>	Please refer to order number supplement and add it to the type	8510/122-03-132-..0	1.850

Order Number Supplement

Rated operating voltage	AC: 24 V, 50 / 60 Hz	8510/.....-01.
	AC: 42 V, 50 / 60 Hz	8510/.....-02.
	* AC: 110 V, 50 / 60 Hz	8510/.....-03.
	AC: 220 / 230 V, 50 / 60 Hz	8510/.....-04.
	AC: 380 / 400 V, 50 / 60 Hz	8510/.....-05.
	AC: 500 V, 50 / 60 Hz	8510/.....-06.
	* AC: 230 / 240 V, 50 / 60 Hz	8510/.....-07.
	AC: 400 / 415 V, 50 / 60 Hz	8510/.....-08.
	* DC: 24 V	8510/.....-21.
	DC: 12 V	8510/.....-22.
	* DC: 48 V	8510/.....-23.
	DC: 110 V	8510/.....-24.
	DC: 200 V	8510/.....-25.
	DC: 230 V	8510/.....-26.
	DC: 240 V	8510/.....-27.
	* Preferred voltage	

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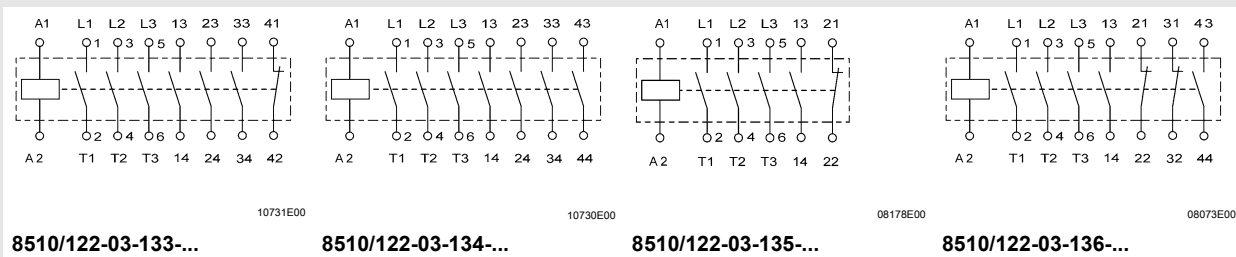
Selection Table

Version	Circuit diagram	Rated operating voltage	Order number	Weight kg
Contactor 4 kW / 400 V with 3 main contacts and max. 4 auxiliary contacts	Please take the contact assignment from the order number supplement and add it to the type	Please refer to order number supplement and add it to the type	8510/122-03-13-...0	1.850

Order Number Supplement

Contacts	Main contacts	3 NO	8510/...-...-133-...	
	Auxiliary contacts	3 NO + 1 NC		
	Main contacts	3 NO		8510/...-...-134-...
	Auxiliary contacts	4 NO		
Main contacts	3 NO	8510/...-...-135-...		
	Auxiliary contacts		1 NO + 1 NC	
Main contacts	3 NO	8510/...-...-136-...		
	Auxiliary contacts		2 NO + 2 NC	
Rated operating voltage	AC: 24 V, 50 / 60 Hz	8510/...-...-...-01.		
	AC: 42 V, 50 / 60 Hz	8510/...-...-...-02.		
	* AC: 110 V, 50 / 60 Hz	8510/...-...-...-03.		
	AC: 220 / 230 V, 50 / 60 Hz	8510/...-...-...-04.		
	AC: 380 / 400 V, 50 / 60 Hz	8510/...-...-...-05.		
	AC: 500 V, 50 / 60 Hz	8510/...-...-...-06.		
	* AC: 230 / 240 V, 50 / 60 Hz	8510/...-...-...-07.		
	AC: 400 / 415 V, 50 / 60 Hz	8510/...-...-...-08.		
	* DC: 24 V	8510/...-...-...-21.		
	DC: 12 V	8510/...-...-...-22.		
	* DC: 48 V	8510/...-...-...-23.		
	DC: 110 V	8510/...-...-...-24.		
	DC: 200 V	8510/...-...-...-25.		
	DC: 230 V	8510/...-...-...-26.		
DC: 240 V	8510/...-...-...-27.			
* Preferred voltage				

Contact Arrangements



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Technical Data

Electrical data

Main circuit					
Rated operational voltage	max. 690 V				
Rated operational frequency	50 Hz / 60 Hz				
Conventional thermal current I_{th}	20 A ($\theta \leq 50\text{ °C}$)				
Short circuit protection	25 A gG for $U \leq 440\text{ V}$ 20 A gG for $U > 440\text{ V}$				
Switching capacity	Rated powers of three-phase motors 50 Hz / 60 Hz, according to AC-3				
U_e [V]	220 / 230	380 / 415	440 / 500	660 / 690	
P [kW]	2.2	4	4	4	
Auxiliary contact					
Conventional thermal current I_{th}	10 A				
Short-circuit protection	via fuse: 10 A gG; acc. to VDE 0660 / IEC/EN 60947				
Switching capacity	AC-15: 6 A / 500 V				
Control circuit					
AC					
Rated operating voltage	U_c 50 Hz / 60 Hz: 12 ... 690 V				
Operation range	Coil ($\theta \leq 50\text{ °C}$) 0.8 ... 1.15 U_c at 50 Hz 0.85 ... 1.1 U_c at 60 Hz and 50 °C				
Drop out value	Coil ($\theta \leq 50\text{ °C}$) $\geq 0.2 U_c$				
Average power input	at U_c and 20 °C Pick-up: 30 VA Hold: 4,5 VA				
DC					
Rated operating voltage	U_c : 12 ... 250 V				
Operation range	0.8 ... 1.15 U_c				
Drop out value	$\geq 0.1 U_c$				
Average power consumption	at U_c and 20 °C Pick-up: 3 W Hold: 3 W				
Mechanical service life	at U_c : 10 million switching cycles				
Maximum switching frequency	3600 switching cycles per hour				

Ambient conditions

Ambient temperature	
Storage	- 50 ... + 80 °C
Operation at U_c	- 20 ... + 40 °C

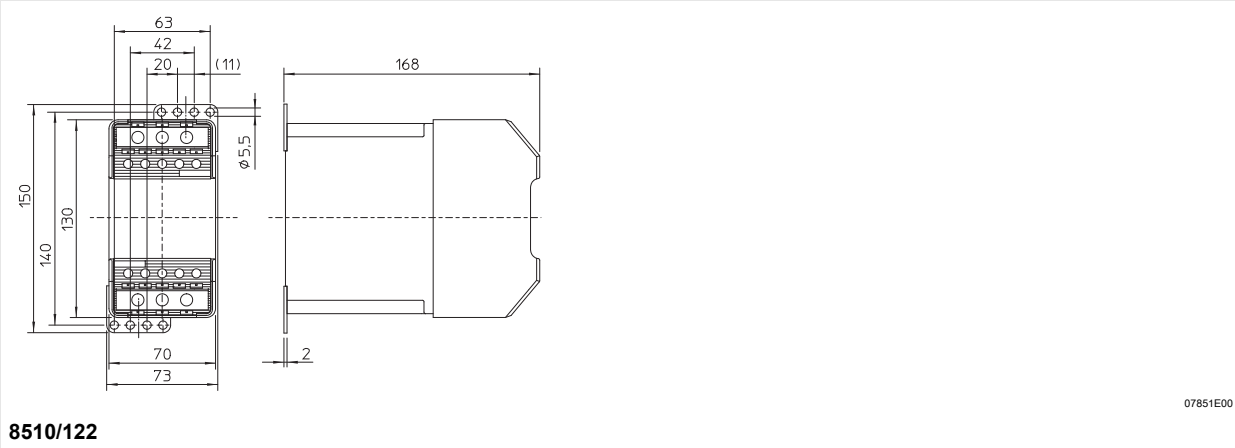
Mechanical data

Material	
Enclosure material	Epoxy resin
Terminal cover	Polyamide; IP20, finger-contact safety according to IEC 60 529
Conductor cross-section	
Main contacts	1,5 ... 6 mm ² flexible 1,5 ... 10 mm ² solid
Auxiliary contacts	0.75 ... 1.5 mm ² flexible 0.75 ... 2.5 mm ² solid

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Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



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.