



10172E00

Contactor 4 kW / 400 V with 3 Main Contacts and max. 4 Auxiliary Contacts Series 8510/122

- Explosion protection according to
 - CENELEC
 - IEC
- For use in Zone 1 and Zone 2
- For use in Ex e-enclosure

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	1.860
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	1.860

Order Number Supplement

Rated operating voltage	AC: 24 V, 50 Hz / 60 Hz	8510/ -01.
	AC: 42 V, 50 Hz / 60 Hz	8510/ -02.
	* AC: 110 V, 50 Hz / 60 Hz	8510/ -03.
	AC: 220 V / 230 V, 50 Hz / 60 Hz	8510/ -04.
	AC: 380 V / 400 V, 50 Hz / 60 Hz	8510/ -05.
	AC: 500 V, 50 Hz / 60 Hz	8510/ -06.
	* AC: 230 V / 240 V, 50 Hz / 60 Hz	8510/ -07.
	AC: 400 V / 415 V, 50 Hz / 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	1.860

Order Number Supplement

Contacts	Main contacts	3 NO	8510/...-130-...	
	Auxiliary contacts	1 NO + 3 NC		
	Main contacts	3 NO		8510/...-133-...
	Auxiliary contacts	3 NO + 1 NC		
	Main contacts	3 NO		8510/...-134-...
Auxiliary contacts	4 NO			
Rated operating voltage	Main contacts	3 NO	8510/...-135-...	
	Auxiliary contacts	1 NO + 1 NC		
	Main contacts	3 NO	8510/...-136-...	
	Auxiliary contacts	2 NO + 2 NC		
	AC: 24 V, 50 Hz / 60 Hz		8510/...-01.	
	AC: 42 V, 50 Hz / 60 Hz		8510/...-02.	
	* AC: 110 V, 50 Hz / 60 Hz		8510/...-03.	
	AC: 220 V / 230 V, 50 Hz / 60 Hz		8510/...-04.	
	AC: 380 V / 400 V, 50 Hz / 60 Hz		8510/...-05.	
	AC: 500 V, 50 Hz / 60 Hz		8510/...-06.	
	* AC: 230 V / 240 V, 50 Hz / 60 Hz		8510/...-07.	
	AC: 400 V / 415 V, 50 Hz / 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

<p>10731E00</p>	<p>10730E00</p>	<p>08178E00</p>	<p>08073E00</p>
8510/122-03-133-...	8510/122-03-134-...	8510/122-03-135-...	8510/122-03-136-...

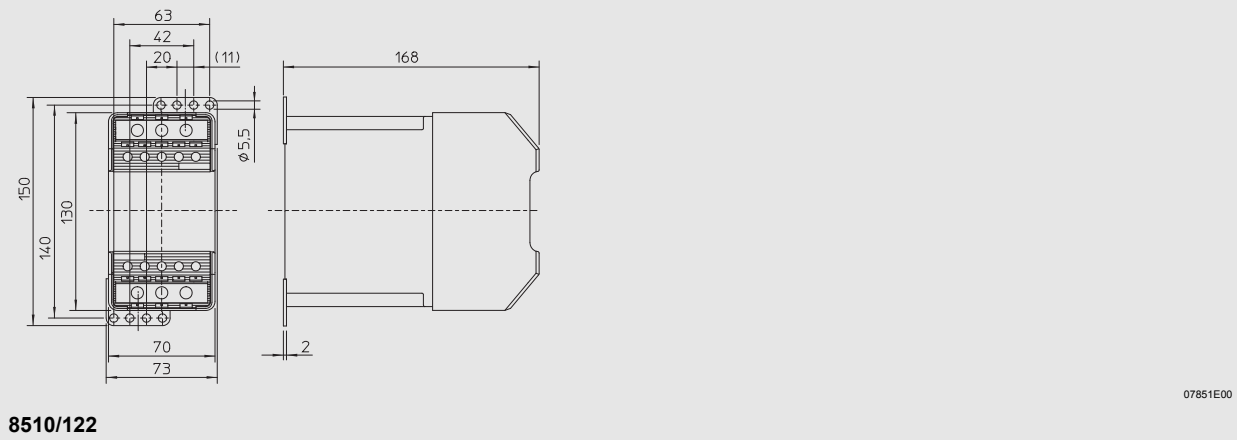
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Technical Data

Explosion protection	 II 2G Ex de IIC  I M2 Ex de I										
Certificates	DMT 00 ATEX E 073 U										
Other certificates	IECEX, Canada (CSA), Belarus (Promatomnadzor)										
Ambient temperature											
Storage	- 50 °C ... + 80 °C										
Operation at U _c	- 20 °C ... + 40 °C										
Main circuit											
Rated operational voltage	max. 690 V										
Rated operational frequency	50 Hz / 60 Hz										
Conventional thermal current I _{th}	20 A (θ ≤ 50 °C)										
Short circuit protection	25 A gL for U ≤ 440 V 20 A gL for U > 440 V										
Switching capacity	Rated powers of three-phase motors 50 Hz / 60 Hz, according to AC3										
	<table border="1"> <thead> <tr> <th>U_e [V]</th> <th>220 / 230</th> <th>380 / 415</th> <th>440 / 500</th> <th>660 / 690</th> </tr> </thead> <tbody> <tr> <td>P [kW]</td> <td>2.2</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	U _e [V]	220 / 230	380 / 415	440 / 500	660 / 690	P [kW]	2.2	4	4	4
U _e [V]	220 / 230	380 / 415	440 / 500	660 / 690							
P [kW]	2.2	4	4	4							
Auxiliary switch											
Conventional thermal current I _{th}	10 A										
Short circuit protection	via fuse: 10 A gL; acc. to VDE 0660 / IEC 60947										
Switching capacity	AC15: 6 A / 500 V										
Control circuit											
AC											
Rated operating voltage	U _c 50 Hz / 60 Hz: 12 V ... 690 V										
Operation range	Coil (θ ≤ 50 °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 (θ ≤ 50 °C) ≥ 0.2 U _c										
Average power consumption	at U _c and 20 °C Operation: 30 VA Drop off: 4,5 VA										
DC											
Rated operating voltage	U _c : 12 V ... 250 V										
Operation range	0.8 ... 1.15 U _c										
Drop out value	≥ 0.1 U _c										
Average power consumption	at U _c and 20 °C Operation: 3 W Drop off: 3 W										
Mechanical service life	at U _c : 10 million switching cycles										
Maximum switching frequency	3600 switching cycles per hour										
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										
Material											
Enclosure material	Epoxy resin										
Terminal cover	Polyamide; IP20, finger-contact safety according to IEC 60 529										

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



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