



10172E00

Contactor max. 11 kW / 400 V Series 8510

- Explosion protection to
 - IEC
 - ATEX
- for use in Zone 1 and Zone 2
- for use in Ex e-enclosures

Selection Table



Version	Circuit diagram	Rated operating voltage	Order number	Weight kg
Contactor max. 11 kW with 3 main contacts and 4 auxiliary contacts	<p>08073E00</p>	* AC: 230 V, 50 / 60 Hz	8510/122-03-436-130	1.850
	<p>08073E00</p>	Please refer to order number supplement and add it to the type	8510/122-03-436-...0	1.850

Order Number Supplement

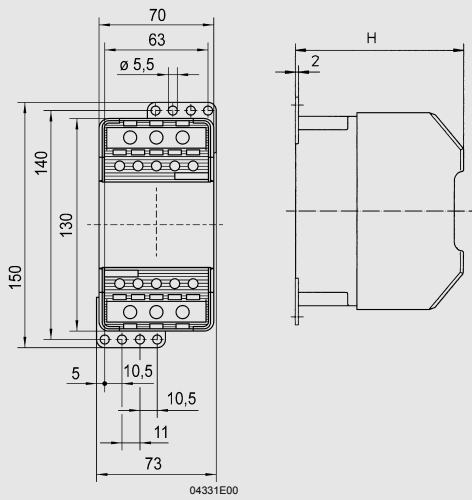
Rated control voltage	AC: 24 V, 50 / 60 Hz	8510/-01.
	AC: 42 V, 50 / 60 Hz	8510/-02.
	AC: 48 V, 50 / 60 Hz	8510/-10.
	* AC: 110 V, 50 / 60 Hz	8510/-03.
	AC: 220 / 230 V, 50 / 60 Hz	8510/-04.
	AC: 220 V, 50 / 60 Hz	8510/-12.
	AC: 240 V, 50 / 60 Hz	8510/-14.
	AC: 380 V, 50 / 60 Hz	8510/-15.
	AC: 380 / 400 V, 50 / 60 Hz	8510/-05.
	AC: 400 V, 50 / 60 Hz	8510/-16.
	AC: 400 / 415 V, 50 / 60 Hz	8510/-08.
	AC: 415 V, 50 / 60 Hz	8510/-17.
	AC: 440 V, 50 / 60 Hz	8510/-18.
	AC: 500 V, 50 / 60 Hz	8510/-06.
	DC: 12 V	8510/-22.
	* DC: 24 V	8510/-21.
	* DC: 48 V	8510/-23.
	DC: 60 V	8510/-28.
	DC: 110 V	8510/-24.

* Preferred voltage

Note: DC-coil serially with suppressor circuit

Technical data	
Explosion protection	 II 2G Ex de IIC  I M2 Ex de I
Certificates	DMT 00 ATEX E 073 U
Ambient temperature	
Storage	- 50 ... + 80 °C
Operation at U _c	- 20 ... + 40 °C
Main circuit	
Rated operational voltage	max. 690 V
Rated operational frequency	50 / 60 Hz
Conventional thermal current I _{th}	25 A
Short circuit protection	35 A gL
Switching capacity	Working power of three-phase motors 50/60 Hz to AC3 U _e [V] 220 / 230 380 / 400 415 440 500 690 P [kW] 5,5 11 11 11 15 15
Auxiliary switch	
Conventional thermal current I _{th}	10 A
Short circuit protection	via fuse 10 A gL; to VDE 0660 / IEC 60947
Switching capacity	AC15: 6 A / 500 V
Control circuit	
AC	
Rated operating voltage	U _c 50 / 60 Hz: 12 ... 690 V
Operation range	Coil 50 / 60 Hz 50 Hz: 0,8 ... 1,1 U _c 60 Hz at 60 °C: 0,85 ... 1,1 U _c
Drop out value	Coil 50 / 60 Hz at 60 °C: 0,3 ... 0,6 U _c
Average power input	at U _c and 20 °C <para>Pick-up: 70 VA <para>Hold: 7 VA
DC	
Rated operating voltage	U _c : 12 ... 440 V
Operation range	at 60 °C: 0,7 ... 1,25 U _c
Drop out value	at 60 °C: 0,1 ... 0,25 U _c
Average power consumption	at U _c and 20 °C Pick-up: 5,4 W Hold: 5,4 W
Mechanical service life	at U _c : 30 Mio. switching cycles
Connection 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 60529

Dimensional drawings (all dimensions in mm) - subject to alterations



Type	Dimension h
8510/122	168 mm

8510/122

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.