

ASL09 ... ASL16 3-pole contactors

4 to 7.5 kW

DC operated



ASL09-30-10

Description

ASL09 ... ASL16 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC and 220 V DC.

These contactors are of the block type design with:

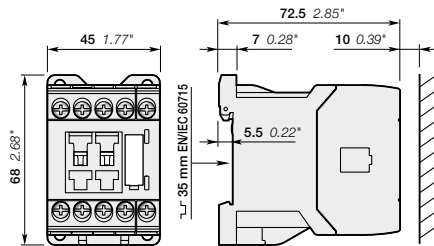
- 3 main poles and 1 built-in auxiliary contact
- control circuit: low consumption (3 W at pull-in and holding) DC operated with solid core magnet. Suitable for direct control by PLC outputs (the polarity on the coil terminals A1+ and A2- must be respected)
- add-on auxiliary contact blocks for front mounting and a comprehensive range of accessories.

Ordering details

IEC		UL/CSA		Rated control circuit voltage U _c	Auxiliary contacts fitted	Type	Order code	Weight
Rated operational power	Rated operational current θ ≤ 40 °C	3-phase motor rating 480 V	General use rating 600 V AC	(1)				Pkg (1 pce)
400 V AC-3 kW	AC-1 A	hp	A	V DC	 			kg
4	22	5	20	24	1 0	ASL09-30-10-81	1SBL103001R8110	0.280
					0 1	ASL09-30-01-81	1SBL103001R8101	0.280
				48	1 0	ASL09-30-10-83	1SBL103001R8310	0.280
					0 1	ASL09-30-01-83	1SBL103001R8301	0.280
				110	1 0	ASL09-30-10-86	1SBL103001R8610	0.280
					0 1	ASL09-30-01-86	1SBL103001R8601	0.280
				220	1 0	ASL09-30-10-88	1SBL103001R8810	0.280
					0 1	ASL09-30-01-88	1SBL103001R8801	0.280
5.5	24	7.5	20	24	1 0	ASL12-30-10-81	1SBL113001R8110	0.280
					0 1	ASL12-30-01-81	1SBL113001R8101	0.280
				48	1 0	ASL12-30-10-83	1SBL113001R8310	0.280
					0 1	ASL12-30-01-83	1SBL113001R8301	0.280
				110	1 0	ASL12-30-10-86	1SBL113001R8610	0.280
					0 1	ASL12-30-01-86	1SBL113001R8601	0.280
				220	1 0	ASL12-30-10-88	1SBL113001R8810	0.280
					0 1	ASL12-30-01-88	1SBL113001R8801	0.280
7.5	24	10	20	24	1 0	ASL16-30-10-81	1SBL123001R8110	0.280
					0 1	ASL16-30-01-81	1SBL123001R8101	0.280
				48	1 0	ASL16-30-10-83	1SBL123001R8310	0.280
					0 1	ASL16-30-01-83	1SBL123001R8301	0.280
				110	1 0	ASL16-30-10-86	1SBL123001R8610	0.280
					0 1	ASL16-30-01-86	1SBL123001R8601	0.280
				220	1 0	ASL16-30-10-88	1SBL123001R8810	0.280
					0 1	ASL16-30-01-88	1SBL123001R8801	0.280

Note: for multiple packaging, please contact your ABB local sales organization.
 (1) Other control voltages see voltage code table.

Main dimensions mm, inches



ASL09, ASL12, ASL16

Voltage code table

The below tables indicate the available coil voltages and corresponding digits for order codes. When placing an order, please give either type or order code. Select a standard contactor from ordering detail pages. Change the **coil voltage code** in the type or in the order code according to the table below. Example: for contactor AS09-30-10 and coil 42 V 50/60 Hz, type is AS09-30-10-**21** and order code is 1SBL101001R**21**10.

3-pole contactors

4

Type

AS16 - 30 - 10 - 26

AS

ASL

Contactor type

AC operated

DC operated

Auxiliary contacts

N.O. N.C.

N.O. N.C.

Main contacts

Order code

1SBL121001R 26 10

AC coil code

50 Hz 60 Hz

20 24 V 24 V

21 42 V 42 V

22 48 V 48 V

23 110 V 110 V

24 115 V 115 V

16 - 120 V

25 220 V 220 V

26 230 V 230 V

27 240 V 240 V

17 - 277 V

13 380 V -

28 400 V 400 V

29 415 V 415 V

DC coil code

80 12 V

81 24 V

83 48 V

84 60 V

86 110 V

87 125 V

88 220 V

89 240 V

3-pole reversing contactors

VAS12 S EM - 26 M

VAS

VASL

Contactor type

AC operated

DC operated

Surge suppressor

Order code

1SBK113800M 26 00

AC coil code

50 Hz 60 Hz

20 24 V 24 V

21 42 V 42 V

22 48 V 48 V

23 110 V 110 V

24 115 V 115 V

16 - 120 V

25 220 V 220 V

26 230 V 230 V

27 240 V 240 V

17 - 277 V

13 380 V -

28 400 V 400 V

29 415 V 415 V

DC coil code

80 12 V (1)

81 24 V

83 48 V

84 60 V

86 110 V

87 125 V

88 220 V

89 240 V

(1) Not for VASL...SEM

Contactor relays

NS 40 E - 26

NS

NSL

Contactor type

AC operated

DC operated

Number contacts

N.O. N.C.

Order code

1SBH101001R 26 40

AC coil code

50 Hz 60 Hz

20 24 V 24 V

21 42 V 42 V

22 48 V 48 V

23 110 V 110 V

24 115 V 115 V

16 - 120 V

25 220 V 220 V

26 230 V 230 V

27 240 V 240 V

17 - 277 V

13 380 V -

28 400 V 400 V

29 415 V 415 V

DC coil code

80 12 V

81 24 V

83 48 V

84 60 V

86 110 V

87 125 V

88 220 V

89 240 V