

ASL09..S ... ASL16..S 3-pole contactors

4 to 7.5 kW

DC operated - with spring terminals



ASL09-30-10S

Description

ASL09..S ... ASL16..S 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:

- spring terminals
- 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 comprehensive range of accessories.

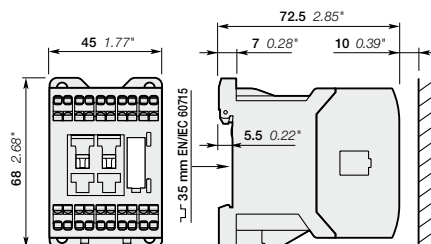
Ordering details

IEC		UL/CSA		Rated control circuit voltage Uc (1)	Auxiliary contacts fitted	Type	Order code	Weight
Rated operational power	current θ ≤ 40 °C	3-phase motor rating 480 V	General use rating 600 V AC					
400 V AC-3	AC-1	hp	A	V DC	 			kg
4 kW	20 A	5 hp	12 A	24 VDC	1 0	ASL09-30-10S-81	1SBL103004R8110	0.280
					0 1	ASL09-30-01S-81	1SBL103004R8101	0.280
				48 VDC	1 0	ASL09-30-10S-83	1SBL103004R8310	0.280
					0 1	ASL09-30-01S-83	1SBL103004R8301	0.280
				110 VDC	1 0	ASL09-30-10S-86	1SBL103004R8610	0.280
					0 1	ASL09-30-01S-86	1SBL103004R8601	0.280
				220 VDC	1 0	ASL09-30-10S-88	1SBL103004R8810	0.280
					0 1	ASL09-30-01S-88	1SBL103004R8801	0.280
5.5 kW	22 A	7.5 hp	12 A	24 VDC	1 0	ASL12-30-10S-81	1SBL113004R8110	0.280
					0 1	ASL12-30-01S-81	1SBL113004R8101	0.280
				48 VDC	1 0	ASL12-30-10S-83	1SBL113004R8310	0.280
					0 1	ASL12-30-01S-83	1SBL113004R8301	0.280
				110 VDC	1 0	ASL12-30-10S-86	1SBL113004R8610	0.280
					0 1	ASL12-30-01S-86	1SBL113004R8601	0.280
				220 VDC	1 0	ASL12-30-10S-88	1SBL113004R8810	0.280
					0 1	ASL12-30-01S-88	1SBL113004R8801	0.280
7.5 kW	22 A	10 hp	15.2 A	24 VDC	1 0	ASL16-30-10S-81	1SBL123004R8110	0.280
					0 1	ASL16-30-01S-81	1SBL123004R8101	0.280
				48 VDC	1 0	ASL16-30-10S-83	1SBL123004R8310	0.280
					0 1	ASL16-30-01S-83	1SBL123004R8301	0.280
				110 VDC	1 0	ASL16-30-10S-86	1SBL123004R8610	0.280
					0 1	ASL16-30-01S-86	1SBL123004R8601	0.280
				220 VDC	1 0	ASL16-30-10S-88	1SBL123004R8810	0.280
					0 1	ASL16-30-01S-88	1SBL123004R8801	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..S, ASL12..S, ASL16..S

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 AS09-30-10S and coil 42 V 50/60 Hz, type is AS09-30-10S-**21** and order code is 1SBL101004R**21**10.

3-pole contactors - with spring terminals

Type

AS16 - 30 - 10S - 26

Auxiliary contacts

N.O. N.C.

N.O. N.C.

Main contacts

AS .. S

ASL .. S

Contactor type

AC operated

DC operated

Order code

1SBL121004R 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

Contactor relays - with spring terminals

Type

NS 40 ES - 26

N.O. N.C.

Number contacts

NS .. S

NSL .. S

Contactor type

AC operated

DC operated

Order code

1SBH101004R 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