

# 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.

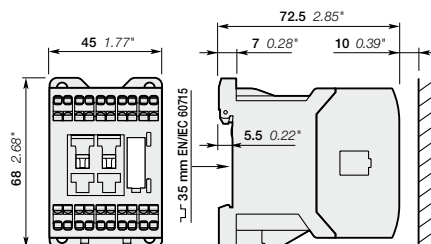
#### Ordering details

| IEC                     |                                                          | UL/CSA               |                    | Rated control circuit voltage Uc | Auxiliary contacts fitted | Type            | Order code      | Weight      |
|-------------------------|----------------------------------------------------------|----------------------|--------------------|----------------------------------|---------------------------|-----------------|-----------------|-------------|
| Rated operational power | Rated operational current $\theta \leq 40^\circ\text{C}$ | 3-phase motor rating | General use rating | (1)                              |                           |                 |                 |             |
| 400 V AC-3              | AC-1                                                     | hp                   | A                  | V DC                             |                           |                 |                 | Pkg (1 pce) |
| kW                      | A                                                        |                      |                    |                                  |                           |                 |                 | kg          |
| 4                       | 20                                                       | 5                    | 12                 | 24                               | 1 0                       | ASL09-30-10S-81 | 1SBL103004R8110 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL09-30-01S-81 | 1SBL103004R8101 | 0.280       |
|                         |                                                          |                      |                    | 48                               | 1 0                       | ASL09-30-10S-83 | 1SBL103004R8310 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL09-30-01S-83 | 1SBL103004R8301 | 0.280       |
|                         |                                                          |                      |                    | 110                              | 1 0                       | ASL09-30-10S-86 | 1SBL103004R8610 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL09-30-01S-86 | 1SBL103004R8601 | 0.280       |
|                         |                                                          |                      |                    | 220                              | 1 0                       | ASL09-30-10S-88 | 1SBL103004R8810 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL09-30-01S-88 | 1SBL103004R8801 | 0.280       |
|                         |                                                          |                      |                    | 24                               | 1 0                       | ASL12-30-10S-81 | 1SBL113004R8110 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL12-30-01S-81 | 1SBL113004R8101 | 0.280       |
| 5.5                     | 22                                                       | 7.5                  | 12                 | 48                               | 1 0                       | ASL12-30-10S-83 | 1SBL113004R8310 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL12-30-01S-83 | 1SBL113004R8301 | 0.280       |
|                         |                                                          |                      |                    | 110                              | 1 0                       | ASL12-30-10S-86 | 1SBL113004R8610 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL12-30-01S-86 | 1SBL113004R8601 | 0.280       |
|                         |                                                          |                      |                    | 220                              | 1 0                       | ASL12-30-10S-88 | 1SBL113004R8810 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL12-30-01S-88 | 1SBL113004R8801 | 0.280       |
|                         |                                                          |                      |                    | 24                               | 1 0                       | ASL16-30-10S-81 | 1SBL123004R8110 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL16-30-01S-81 | 1SBL123004R8101 | 0.280       |
|                         |                                                          |                      |                    | 48                               | 1 0                       | ASL16-30-10S-83 | 1SBL123004R8310 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL16-30-01S-83 | 1SBL123004R8301 | 0.280       |
| 7.5                     | 22                                                       | 10                   | 15.2               | 110                              | 1 0                       | ASL16-30-10S-86 | 1SBL123004R8610 | 0.280       |
|                         |                                                          |                      |                    |                                  | 0 1                       | ASL16-30-01S-86 | 1SBL123004R8601 | 0.280       |
|                         |                                                          |                      |                    | 220                              | 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