

## AF, AFZ, and EK 4-pole

For resistive & slightly inductive applications up to 1000 A  
AC & DC control



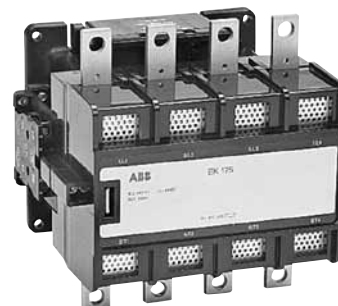
AF09(Z)...AF16(Z)



AF26(Z)...AF38(Z)



AF45...AF75



EK175...EK210

### Electrical ratings ①

| IEC/EN 60947-4-1                                              | UL 508, 60947-4-1A<br>CSA C22.2 No.14, 60947-4-1-07 | Main (power) pole configuration ② |    | Standard auxiliary contacts |    | Catalog number |
|---------------------------------------------------------------|-----------------------------------------------------|-----------------------------------|----|-----------------------------|----|----------------|
| Rated operational current I <sub>e</sub> , AC-1 (A)           | AC general purpose ratings, 600V (A)                | NO                                | NC | NO                          | NC |                |
| <b>4-pole (4 NO &amp; 2 NO / 2 NC)</b>                        |                                                     |                                   |    |                             |    |                |
| <b>Type AF, electronic AC/DC controlled</b>                   |                                                     |                                   |    |                             |    |                |
| 25                                                            | 25                                                  | 4                                 | -  | -                           | -  | AF09-40-00-Δ   |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF09-22-00-Δ   |
| 30                                                            | 30                                                  | 4                                 | -  | -                           | -  | AF16-40-00-Δ   |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF16-22-00-Δ   |
| 45                                                            | 45                                                  | 4                                 | -  | -                           | -  | AF26-40-00-Δ   |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF26-22-00-Δ   |
| 55                                                            | 55                                                  | 4                                 | -  | -                           | -  | AF38-40-00-Δ   |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF38-22-00-Δ   |
| 70                                                            | 65                                                  | 4                                 | -  | -                           | -  | AF45-40-00-Δ   |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF45-22-00-Δ   |
| 100                                                           | 80                                                  | 4                                 | -  | -                           | -  | AF50-40-00-Δ   |
|                                                               |                                                     | 4                                 | -  | -                           | -  | AF75-40-00-Δ   |
| 125                                                           | 105                                                 | 2                                 | 2  | -                           | -  | AF75-22-00-Δ   |
| <b>Type EK, AC or DC controlled</b>                           |                                                     |                                   |    |                             |    |                |
| 200                                                           | 170                                                 | 4                                 | -  | 1                           | 1  | EK110C4P-ΔL    |
| 250                                                           | 200                                                 | 4                                 | -  | 1                           | 1  | EK150C4P-ΔL    |
| 300                                                           | 250                                                 | 4                                 | -  | 1                           | 1  | EK175C4P-ΔL    |
| 350                                                           | 300                                                 | 4                                 | -  | 1                           | 1  | EK210C4P-ΔL    |
| 550                                                           | 420                                                 | 4                                 | -  | 1                           | 1  | EK370C4P-ΔL    |
| 800                                                           | 540                                                 | 4                                 | -  | 1                           | 1  | EK550C4P-ΔL    |
| 1000                                                          | -                                                   | 4                                 | -  | 1                           | 1  | EK1000C4P-ΔL   |
| <b>Type AFZ, electronic AC/DC controlled, low consumption</b> |                                                     |                                   |    |                             |    |                |
| 25                                                            | 25                                                  | 4                                 | -  | -                           | -  | AF09Z-40-00-Δ  |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF09Z-22-00-Δ  |
| 30                                                            | 30                                                  | 4                                 | -  | -                           | -  | AF16Z-40-00-Δ  |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF16Z-22-00-Δ  |
| 45                                                            | 45                                                  | 4                                 | -  | -                           | -  | AF26Z-40-00-Δ  |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF26Z-22-00-Δ  |
| 55                                                            | 55                                                  | 4                                 | -  | -                           | -  | AF38Z-40-00-Δ  |
|                                                               |                                                     | 2                                 | 2  | -                           | -  | AF38Z-22-00-Δ  |

### Coil voltage selection chart (Δ)

| Rated control circuit voltage U <sub>c</sub> ③ | AF09...<br>AF38 | AF09Z...<br>AF38Z | AF45...<br>AF75 | EK110...<br>EK1000 |
|------------------------------------------------|-----------------|-------------------|-----------------|--------------------|
| 12...20V DC                                    | -               | 20                | -               | -                  |
| 20...60V DC                                    | 11              | 21                | 72              | -                  |
| 24...60V AC                                    | -               | 21                | -               | -                  |
| 24V AC, 60 Hz                                  | -               | -                 | -               | F                  |
| 24V DC                                         | -               | -                 | -               | Y                  |
| 48...130V AC/DC                                | 12              | 22                | 69              | -                  |
| 110V 50 Hz, 120V 60 Hz                         | -               | -                 | -               | 1                  |
| 125V DC                                        | -               | -                 | -               | Q                  |
| 100...250 VAC/DC                               | 13              | 23                | 70              | -                  |
| 220V DC                                        | -               | -                 | -               | R                  |
| 240V AC, 60 Hz                                 | -               | -                 | -               | 2                  |
| 250...500 V AC/DC                              | 14              | -                 | -               | -                  |
| 480V AC, 60 Hz                                 | -               | -                 | -               | 4                  |
| 600V AC, 60 Hz                                 | -               | -                 | -               | 6                  |

Example(s):

24V DC input voltage: EK110C4P-YL

120V AC input voltage: AF75-40-11-70

① For selection purposes, for complete electrical ratings, see Technical Data.

② 2 NO & 2 NC contactors are not suitable for a reversing starter or wye-delta starter or for controlling a single load from 2 separate supplies. Please see technical data.

③ AC coil input voltage(s) at 50/60 Hz unless specified. Additional voltages pg. 1.35.