

## 5.6.1 LOGO! hardware

### LOGO! hardware series

LOGO!Soft Comfort lets you create programs for LOGO! devices of various series. LOGO! device series vary in performance, memory space, number of program blocks (for example, flag blocks) and in the structure of the devices.



Because there are device-specific differences with regard to the functions, you must not only distinguish between the LOGO! versions, but also take their version status into account. You can identify the version status by the suffix of the LOGO! order number.

The current LOGO! versions belong to the 9th generation. They can be identified by the last digits of their order number: 0BA8.

You can identify the first three generations of LOGO! devices by the 0, 1 and 2 suffix. The major difference in the first three generations of LOGO! lies in their modular structure. Long and AS-Interface versions are no longer available as of version 0BA3. The standard devices are now equipped with an expansion interface, to which you can connect expansion modules (digital/analog and bus modules) for adapting the LOGO! to suit your personal requirements. This modular structure, however, has little to no influence on programming. You can still program your LOGO! in the usual way. All you have to take into consideration is that AS-Interfaces and analog I/O are determined by the position at which the relevant expansion module is installed.

### Current devices

| Name                  | Order number       |
|-----------------------|--------------------|
| LOGO! 12/24RCE *      | 6ED1052-1MD00-0BA8 |
| LOGO! 24CE *          | 6ED1052-1CC01-0BA8 |
| LOGO! 24RCE (AC/DC)   | 6ED1052-1HB00-0BA8 |
| LOGO! 230RCE (AC/DC)  | 6ED1052-1FB00-0BA8 |
| LOGO! 12/24RCEo *     | 6ED1052-2MD00-0BA8 |
| LOGO! 24CEo *         | 6ED1052-2CC01-0BA8 |
| LOGO! 24RCEo (AC/DC)  | 6ED1052-2HB00-0BA8 |
| LOGO! 230RCEo (AC/DC) | 6ED1052-2FB00-0BA8 |

\* With analog inputs

Memory space is identical for all these devices.

The following expansion modules are available for the standard devices:

| Name            | Order no.           |
|-----------------|---------------------|
| LOGO! DM8 230R  | 6ED1 055-1FB00-0BA2 |
| LOGO! DM16 230R | 6ED1 055-1FB10-0BA2 |
| LOGO! DM8 24    | 6ED1 055-1CB00-0BA2 |
| LOGO! DM16 24   | 6ED1 055-1CB10-0BA2 |

| Name             | Order no.           |
|------------------|---------------------|
| LOGO! DM8 12/24R | 6ED1 055-1MB00-0BA2 |
| LOGO! DM8 24R    | 6ED1 055-1HB00-0BA2 |
| LOGO! DM16 24R   | 6ED1 055-1NB10-0BA2 |
| LOGO! AM2        | 6ED1 055-1MA00-0BA2 |
| LOGO! AM2 AQ     | 6ED1 055-1MM00-0BA2 |
| LOGO! AM2 RTD    | 6ED1 055-1MD00-0BA2 |
| LOGO! TDE        | 6ED1 055-4MH00-0BA1 |

You can use the description to identify the different properties of LOGO!:

- **12** means 12 V Version
- **24** means 24 V Version
- **230** means 115/230 V Version
- **R** means relay outputs (without R transistor outputs)
- **C** means integrated time/timer switch
- **o** means without display
- **E** means the LOGO! ... E version (with Ethernet interface)
- **DM** means digital module
- **AM** means analog module
- **TDE** means text display with Ethernet interfaces

### Special functions, depending on LOGO! versions

| Special function            | 0BA0<br>Stand-<br>ard | 0BA0<br>...L | 0BA0<br>...LB1<br>1 | 0BA1<br>all | 0BA2<br>all | 0BA3<br>all | 0BA4<br>all | 0BA5<br>all | 0BA6<br>all | 0BA7<br>all | 0BA8 | LOGO<br>!<br>8.FS4 |
|-----------------------------|-----------------------|--------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|--------------------|
| On delay                    | X                     | X            | X                   | X           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Off delay                   | X                     | X            | X                   | X           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Retentive on delay          | X                     | X            | X                   | X           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| On/off delay                | -                     | -            | -                   | -           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Latching relay              | X                     | Xr           | Xr                  | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Pulse relay                 | X                     | Xr           | Xr                  | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Wiping relay                | -                     | X            | X                   | X           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Edge-triggered wiping relay | -                     | -            | -                   | -           | X           | X           | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Weekly timer)*              | X                     | X            | X                   | X           | X           | X           | X           | X           | X           | X           | X    | X                  |
| Yearly timer)*              | -                     | -            | -                   | X           | X           | X           | X           | X           | X           | X           | X    | X                  |
| Up/Down counter             | X                     | Xr           | Xr                  | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Hours counter               | -                     | Xr           | Xr                  | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr          | Xr   | Xr                 |
| Symmetrical pulse generator | X                     | X            | X                   | X           | X           | X           | X           | X           | X           | X           | X    | X                  |