

#### Overview



- The space-saving basic variants.
- Interface for the connection of expansion modules, up to 24 digital inputs, 16 digital outputs, 8 analog inputs and 2 analog outputs can be addressed.

#### Technical specifications

	6ED1 052-1CC00-0BA5	6ED1 052-1MD00-0BA5	6ED1 052-1HB00-0BA5	6ED1 052-1FB00-0BA5
<b>Supply voltages</b>				
Rated value		Yes		
- 12 V DC	Yes	Yes		
- 24 V DC			Yes	
- 115 V DC				Yes
- 230 V DC				Yes
- permissible range, lower limit (DC)	20.4 V	10.8 V	20.4 V	100 V
- permissible range, upper limit (DC)	28.8 V	28.8 V	28.8 V	253 V
- 24 V AC			Yes	
- 115 V AC				Yes
- 230 V AC				Yes
- permissible range, lower limit (AC)			20.4 V	85 V
- permissible range, upper limit (AC)			26.4 V	265 V
<b>Time</b>				
Time switches				
- Reserve power		80 h	80 h	80 h
• Number of digital inputs	8	8	8	8
<b>Digital outputs</b>				
• Number of digital outputs	4	4	4	4
• Short-circuit protection of the output	Yes	No	No	No
<b>Relay outputs</b>				
Switching capacity of the contacts				
- at inductive load, max.		3 A	3 A	3 A
- at resistive load, max.	0.3 A	10 A	10 A	10 A
<b>EMC</b>				
• Emission of radio interference to comply with EN 55 011 (limit class B)	Yes	Yes	Yes	Yes
<b>Environmental requirements</b>				
Operating temperature				
- min.	0 °C	0 °C	0 °C	0 °C
- max.	55 °C	55 °C	55 °C	55 °C
<b>Degree of protection and class of protection</b>				
- IP 20	Yes	Yes	Yes	Yes

**Technical specifications (continued)**

	6ED1 052-1CC00-0BA5	6ED1 052-1MD00-0BA5	6ED1 052-1HB00-0BA5	6ED1 052-1FB00-0BA5
<b>Standards, approvals, certification</b>				
• CSA approval	Yes	Yes	Yes	Yes
• Developed to comply with IEC1131	Yes	Yes	Yes	Yes
• FM approval	Yes	Yes	Yes	Yes
• To comply with VDE 0631	Yes	Yes	Yes	Yes
• Shipbuilding approval	Yes	Yes	Yes	Yes
• UL approval	Yes	Yes	Yes	Yes
<b>Dimensions and weight</b>				
• Width	72 mm	72 mm	72 mm	72 mm
• Height	90 mm	90 mm	90 mm	90 mm
• Depth	55 mm	55 mm	55 mm	55 mm

**Ordering Data**
**Order No.**

<b>LOGO! logic module 24</b> 24 V DC supply voltage, 8 digital inputs 24 V DC, of which 2 can be used as analog inputs (0 to 10 V), 4 digital outputs 24 V DC, 0.3 A; 130 function blocks can be linked, with modular expansion capability	<b>6ED1 052-1CC00-0BA5</b>
<b>LOGO! logic module 12/24RC</b> 12/24 V DC supply voltage, 8 digital inputs 12/24 V DC, of which 2 can be used as analog inputs (0 to 10 V), 4 relay outputs 10 A, integral time switch; 130 function blocks can be linked, with modular expansion capability	<b>6ED1 052-1MD00-0BA5</b>
<b>LOGO! logic module 24RC</b> 24 V AC/DC supply voltage, 8 digital inputs 24 V AC/DC, 4 relay outputs 10 A, integral time switch; 130 function blocks can be linked, with modular expansion capability	<b>6ED1 052-1HB00-0BA5</b>
<b>LOGO! logic module 230RC</b> 115/230 V AC/DC supply voltage, 8 digital inputs 115/230 V AC/DC, 4 relay outputs 10 A, integral time switch; 130 function blocks can be linked, with modular expansion capability	<b>6ED1 052-1FB00-0BA5</b>

B) Subject to export regulations: AL: N and ECCN: EAR995

C) Subject to export regulations: AL: N and ECCN: EAR99T

**Order No.**

<b>Accessories</b>	
<b>LOGO! manual</b>	
German	<b>6ED1 050-1AA00-0AE6</b>
English	<b>6ED1 050-1AA00-0BE6</b>
French	<b>6ED1 050-1AA00-0CE6</b>
Spanish	<b>6ED1 050-1AA00-0DE6</b>
Italian	<b>6ED1 050-1AA00-0EE6</b>
<b>LOGO! memory card</b>	<b>6ED1 056-5CA00-0BA0</b>
For copying, with know-how protection	
<b>LOGO!Soft Comfort V5.0<sup>B)</sup></b>	<b>6ED1 058-0BA01-0YA0</b>
For programming on the PC in LAD/FBD; executes under Windows 98 SE and higher, Linux, MAC OSX; on CD-ROM	
<b>LOGO!Soft Comfort upgrade<sup>C)</sup></b>	<b>6ED1 058-0CA01-0YE0</b>
From V1.0 and higher to V5.0	
<b>LOGO! PC cable</b>	<b>6ED1 057-1AA00-0BA0</b>
For transferring programs between LOGO! and the PC	
<b>LOGO! News Box, 12/24 V</b>	
Contains LOGO! 12/24RC, LOGO! PC cable, LOGO!Soft Comfort, Tips & Tricks manual, screwdriver, documentation	
German <sup>C)</sup>	<b>6ED1 057-3BA00-0AA4</b>
English <sup>C)</sup>	<b>6ED1 057-3BA00-0BA4</b>
<b>LOGO! News Box, 230 V</b>	
Contains LOGO! 230RC, LOGO! PC cable, LOGO!Soft Comfort, Tips & Tricks manual, screwdriver, documentation	
German <sup>C)</sup>	<b>6ED1 057-3AA01-0AA0</b>
English <sup>C)</sup>	<b>6ED1 057-3AA01-0BA0</b>