

LOGO! logic module

LOGO! basic and expansion modules

LOGO! basic modules with display

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Overview



- The space-saving basic variants
- Interface for the connection of expansion modules, up to 24 digital inputs, 20 digital outputs, 8 analog inputs and 8 analog outputs can be addressed
- All basic units with integrated web server
- Enclosure width 72 mm (4 U)
- All basic units with Ethernet interface for communication with LOGO! 8, LOGO! TDE, SIMATIC Controllers, SIMATIC Panels and PCs
- Use of standard micro SD cards

Ordering data

Article No.

Article No.

LOGO! 8 logic module

LOGO! 24CE

Supply voltage 24 V DC, 8 digital inputs 24 V DC, of which 4 can be used in analog mode (0 to 10 V), 4 digital outputs 24 V DC, 0.3 A, integrated time switch, Ethernet interface; 400 function blocks can be interlinked, modular expansion capability

6ED1052-1CC08-0BA1

LOGO! 12/24RCE

Supply voltage 12...24 V DC, 8 digital inputs 12/24 V DC, of which 4 can be used in analog mode (0 to 10 V) 4 relay outputs 10 A, integrated time switch, Ethernet interface; 400 function blocks can be interlinked, modular expansion capability

6ED1052-1MD08-0BA1

LOGO! 24RCE

Supply voltage 24 V AC/DC, 8 digital inputs 24 V AC/DC, 4 relay outputs 10 A, integrated time switch, Ethernet interface; 400 function blocks can be interlinked, modular expansion capability

6ED1052-1HB08-0BA1

LOGO! 230RCE

Supply voltage 115...230 V AC/DC, 8 digital inputs 115...230 V AC/DC, 4 relay outputs 10 A, integrated time switch, Ethernet interface; 400 function blocks can be interlinked, modular expansion capability

6ED1052-1FB08-0BA1

Accessories

LOGO! 8 text display HMI

6-line text display, can be connected to all LOGO! 8 variants with and without display, with 2 Ethernet interfaces; incl. installation accessories. Requires additional 12 V DC or 24 V AC/DC power supply

6ED1055-4MH08-0BA1

LOGO!Soft Comfort V8

For programming on the PC in LAD/FBD; executes on Windows 8, 7, XP, Linux and Mac OSX; on DVD

6ED1058-0BA08-0YA1

LOGO! Starter Kits

In TANOS Box, with LOGO! Soft Comfort V8, WinCC Basic, Ethernet cable

LOGO! Starter Kit 12/24 RCE

With LOGO! 12/24 RCE, power supply, screwdriver, in Systainer

6ED1057-3BA01-0AA8

LOGO! Starter Kit 130 RCE

With LOGO! 230 RCE, power supply, screwdriver, in Systainer

6ED1057-3BA03-0AA8

LOGO! Starter Kit 12/24 V

With LOGO! 12/24 RCEO, LOGO! TD, power supply, screwdriver, in Systainer

6ED1057-3BA11-0AA8

LOGO! 8 KP300 Basic Starter Kit

With LOGO! 12/24RCE, LOGO! Power 24 V 1.3 A, KP300 Basic mono PN

6AV2132-0HA00-0AA1

LOGO! 8 KTP400 Basic Starter Kit

With LOGO! 12/24RCE, LOGO! Power 24 V 1.3 A, KTP400 Basic

6AV2132-0KA00-0AA1

LOGO! 8 KTP700 Basic Starter Kit

With LOGO! 12/24RCE, LOGO! Power 24 V 1.3 A, KTP700 Basic

6AV2132-3GB00-0AA1

Front panel mounting kit

Width 4 U, with keys

6AG1057-1AA00-0AA3

Width 8 U, with keys

6AG1057-1AA00-0AA2

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Technical specifications

Article number	6ED1052-1CC08-0BA1 LOGO! 24CE, 8DI(4AI)/4DO, 400 Blocks	6ED1052-1MD08-0BA1 LOGO!12/24RCE, 8DI(4AI)/4DO, 400 Blocks	6ED1052-1HB08-0BA1 LOGO! 24RCE, 8DI/4DO, 400 Blocks	6ED1052-1FB08-0BA1 LOGO!230RCE, 8DI/4DO, 400 Blocks
Display				
with display	Yes	Yes	Yes	Yes
Installation type/mounting				
Mounting	on 35 mm DIN rail, 4 spacing units wide	on 35 mm DIN rail, 4 spacing units wide	on 35 mm DIN rail, 4 spacing units wide	on 35 mm DIN rail, 4 spacing units wide
Supply voltage				
Rated value (DC)				
• 12 V DC		Yes		
• 24 V DC	Yes	Yes	Yes	
• 115 V DC				Yes
• 230 V DC				Yes; 240 V DC
Rated value (AC)				
• 24 V AC			Yes	
• 115 V AC				Yes
• 230 V AC				Yes; 240 V AC
Time of day				
Time switching clocks				
• Number	400; Max. 400, function-specific	400; Max. 400, function-specific	400; Max. 400, function-specific	400; Max. 400, function-specific
• Power reserve	480 h	480 h	480 h	480 h
Digital inputs				
Number of digital inputs	8; Of which 4 can be used in analog mode (0 to 10 V)	8; Of which 4 can be used in analog mode (0 to 10 V)	8	8
Digital outputs				
Number of digital outputs	4; Transistor	4; Relays	4; Relays	4; Relays
Short-circuit protection	Yes; electrical (1 A)	No; external fusing necessary	No; external fusing necessary	No; external fusing necessary
Output current				
• for signal "1" permissible range for 0 to 55 °C, max.	0.3 A	10 A		
Relay outputs				
Switching capacity of contacts				
- with inductive load, max.		3 A	3 A	3 A
- with resistive load, max.		10 A	10 A	10 A
EMC				
Emission of radio interference acc. to EN 55 011				
• Limit class B, for use in residential areas	Yes; Radio interference suppression according to EN55011, Limit Value Class B	Yes; Radio interference suppression according to EN55011, Limit Value Class B	Yes; Radio interference suppression according to EN55011, Limit Value Class B	Yes; Radio interference suppression according to EN55011, Limit Value Class B
Standards, approvals, certificates				
CE mark	Yes	Yes	Yes	Yes
CSA approval	Yes	Yes	Yes	Yes
UL approval	Yes	Yes	Yes	Yes
FM approval	Yes	Yes	Yes	Yes
developed in accordance with IEC 61131	Yes	Yes	Yes	Yes
according to VDE 0631	Yes	Yes	Yes	Yes
Marine approval	Yes	Yes	Yes	Yes
Ambient conditions				
Ambient temperature during operation				
• min.	-20 °C; No condensation	-20 °C; No condensation	-20 °C; No condensation	-20 °C; No condensation
• max.	55 °C	55 °C	55 °C	55 °C
Altitude during operation relating to sea level				
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)	Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)	Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)	Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)
Dimensions				
Width	71.5 mm	71.5 mm	71.5 mm	71.5 mm
Height	90 mm	90 mm	90 mm	90 mm
Depth	60 mm	60 mm	60 mm	60 mm