

LOGO! logic modules

LOGO! basic and expansion modules

LOGO! basic modules with display

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 CF cards

Technical specifications

Article number	6ED1052-1CC08-0BA0	6ED1052-1MD08-0BA0	6ED1052-1HB08-0BA0	6ED1052-1FB08-0BA0
	LOGO! 24CE, 8DI(4AI)/4DO, 400 BLOCKS	LOGO!12/24RCE, 8DI(4AI)/4DO, 400 BLOCKS	LOGO! 24RCE, 8DI/4DO, 400 BLOCKS	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
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
Rated value (AC)				
• 24 V AC			Yes	
• 115 V AC				Yes
• 230 V AC				Yes
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

Technical specifications (continued)

Article number	6ED1052-1CC08-0BA0 LOGO! 24CE, 8DI(4AI)/4DO, 400 BLOCKS	6ED1052-1MD08-0BA0 LOGO!12/24RCE, 8DI(4AI)/4DO, 400 BLOCKS	6ED1052-1HB08-0BA0 LOGO! 24RCE, 8DI/4DO, 400 BLOCKS	6ED1052-1FB08-0BA0 LOGO!230RCE, 8DI/4DO, 400 BLOCKS
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	Yes	Yes
Degree and class of protection				
Degree of protection acc. to EN 60529				
• IP20	Yes	Yes	Yes	Yes
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
Ambient temperature during storage/transportation				
• min.	-40 °C	-40 °C	-40 °C	-40 °C
• max.	70 °C	70 °C	70 °C	70 °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)
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

LOGO! logic modules

LOGO! basic and expansion modules

LOGO! basic modules with display

2

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

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,
integral time switch
Ethernet interface;
400 function blocks can be
interlinked,
modular expansion capability

LOGO! 24RCE

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

LOGO! 230RCE

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

6ED1052-1CC08-0BA0**6ED1052-1MD08-0BA0****6ED1052-1HB08-0BA0****6ED1052-1FB08-0BA0****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

LOGO!Soft Comfort V8

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

LOGO! Starter Kits

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

LOGO! Starter Kit 12/24RCE

With LOGO! 12/24RCE, power
supply, screw driver, in systainer

LOGO! Starter Kit 130RCE

With LOGO! 230RCE, power
supply, screw driver, in systainer

LOGO! Starter Kit 12/24V

With LOGO! 12/24RCEO,
LOGO! TD, power supply,
screw driver, in systainer

LOGO! 8 KP300 Basic Starter Kit

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

LOGO! 8 KTP400 Basic Starter Kit

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

LOGO! 8 KTP700 Basic Starter Kit

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

Front panel mounting set

Width 4 U, with keys

Width 8 U, with keys

6ED1055-4MH08-0BA0**6ED1058-0BA08-0YA1****6ED1057-3BA01-0AA8****6ED1057-3BA03-0AA8****6ED1057-3BA11-0AA8****6AV2132-0HA00-0AA1****6AV2132-0KA00-0AA1****6AV2132-3GB00-0AA1****6AG1057-1AA00-0AA3****6AG1057-1AA00-0AA2**