

Introduction

Micro Automation

LOGO!:

Technology with a future which simplifies many things

The compact, user-friendly and low-cost solution for simple control tasks.

For universal applications in the industry, non-residential buildings or residential buildings. No wiring is necessary since functions are linked. Operates in a similar manner as a PLC. With integrated operator control and display unit for input of alarm message texts / variables direct at the device.

Easy operation:

- Linking of functions at the click of the mouse at the PC or by pressing a key on the device

Minimum expenditure of time:

- Only the inputs and outputs need to be wired
- Simultaneous wiring diagram generation and control cabinet installation

Reduced costs:

- Many switchgear technology functions are integrated

High flexibility:

- Functions are simply modified at the push of a button
- Variants for different operating voltages
- Modular design, can be expanded at any time

Further information can be found at:

<http://www.siemens.com/logo>



LOGO!	24 24o	12/24RC 12/24RCo	24RC 24RCo	230RC 230RCo
Supply voltage	24 V DC	12/24 V DC	24 V AC/DC	115/230 V AC/DC
Inputs	8 (4 can be used as analog inputs)	8 (4 can be used as analog inputs)	8	8
Outputs	4, transistor	4, relay		
Continuous current	0,3 A	10 A (under resistive load); 3 A (under inductive load)		
Short-circuit protection	electrical (1 A)	external fuse protection required		
Integrated time switches/power reserve	—	8 / typ. 80h		
Ambient temperature	0 to +55 °C			
RI suppression	to EN 50 011 (limit class B)			
Degree of protection	IP20			
Certification	to VDE 0631, IEC 1131, FM, Class 1, Div 2, cULus, C-Tick, CSA, marine approvals			
Mounting	on 35 mm DIN rail or wall mounting			
Dimensions (W x H x D)	72 x 90 x 55 mm (4 width modules)			

— = can be used/available

● = can not be used/not available

LOGO! logic module

Introduction

LOGO! logic module

Overview



LOGO! logic module

- The compact, easy-to-use and low-cost solution for simple control tasks
- Compact, easy to operate, universally applicable without accessories
- "All in one": Integrated display and operator panel
- 36 different functions can be connected at the click of a button or by means of PC software; up to 130 times over
- Functions are easily changed at the press of a key. No more time-consuming rewiring

SIPLUS LOGO!

- The PLC for use under extremely harsh environmental conditions
- With enhanced temperature range from -25 °C to +70 °C or -40 °C to +70 °C for selected types
- Use in environments with pollutant gases (corrosive gas atmospheres)
- Occasional short-term condensation and enhanced mechanical stress permissible
- With the proven PLC technology of LOGO!
- Easy handling, programming, maintenance and service
- Ideal for use in automobile construction, environmental technology, mining, chemical plants, conveying technology, food & beverages industry etc.

Accessories:

- The front panel mounting set also allows simple and reliable installation of the logic modules in front panels; IP65 protection is thus possible.
- In order to ensure dependable operation of SIPLUS devices supplied by the battery in conjunction with combustion engines, it is necessary to put in a SIPLUS upmiter upstream device between the battery and the SIPLUS LOGO!.

For more information, go to:

<http://www.siemens.com/siplus>

For brochures serving as selection guides for SIMATIC products refer to:

<http://www.siemens.com/simatic/printmaterial>

Technical specifications SIPLUS LOGO!

Climatic environmental conditions

Temperature	Horizontal installation: -25 °C to +70 °C Vertical installation: -25 °C to +50 °C or Horizontal installation: -40 °C to +70 °C Vertical installation: -40 °C to +50 °C
Relative humidity	5 to 95 %; short-term condensation permissible, corresponds to relative humidity (RH) load 2 according to IEC 1131-2 and IEC 721 3-3 Cl. 3K5
Short-term ice formation	-40/-25 °C to 0 °C IEC 721 3-3 Cl. 3K5
Air pressure	1080 to 795 hPa corresponds to an altitude of -1000 to 2000 m
Contaminant concentration	According to: ISA-S71.04 severity level G1; G2; G3 (with exception of NH ₃ , only level G2 in this case) EN 60068-2-60 Ke4 CS ₂ : max. 30 mg/m ³ H ₂ S: max. 15 mg/m ³ H ₂ SO ₄ : traces of aerosols

Mechanical environmental conditions

Vibrations	Type of vibration: Frequency sweeps with a rate of change of 1 octave/minute. 2 Hz ≤ f ≤ 9 Hz, constant Amplitude 3.0 mm, 9 Hz ≤ f ≤ 150 Hz, constant acceleration 1 g, duration of oscillation: 10 frequency cycles per axis in each of the three mutually perpendicular axes Vibration tests according to IEC 68 Part 2-6 (sine wave) and IEC 721 3-3, Class 3M4
Shock	Type of shock: Half-sine, intensity of shock: 15 g peak value, 11 ms duration, direction: 3 shocks each in +/- direction in each of the 3 perpendicular axes Shock testing in accordance with IEC 68 Part 2-27

Overview



- The space-saving basic versions
- 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
- With connection option for LOGO! TD text display (can be connected to all LOGO! 0BA6 basic versions)

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Technical specifications

	6ED1 052-1CC00-0BA6	6ED1 052-1MD00-0BA6	6ED1 052-1HB00-0BA6	6ED1 052-1FB00-0BA6
Supply voltages				
Rated value				
• DC 12 V		Yes		
• DC 24 V	Yes	Yes	Yes	
• DC 115 V				Yes
• DC 230 V				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
• AC 24 V			Yes	
• AC 115 V				Yes
• AC 230 V				Yes
• permissible range, lower limit (AC)			20.4 V	85 V
• permissible range, upper limit (AC)			26.4 V	265 V
Time				
Time switching clocks				
• Power reserve		80 Hours	80 Hours	80 Hours
Digital inputs				
Number of digital inputs	8; of which 4 can be used as analog (0...10V)	8; of which 4 can be used as analog (0...10V)	8	8
Digital outputs				
Number of digital outputs	4; Transistor	4; Relay	4; Relay	4; Relay
Short-circuit protection of the output	Yes; electrical (1 A)	No; external fusing necessary	No; external fusing necessary	No; external fusing necessary
Relay outputs				
Switching capacity of the contacts				
• with inductive load, max.		3 A	3 A	3 A
• with resistive load, max.	0.3 A	10 A	10 A	10 A

LOGO! logic module

LOGO! modular

LOGO! modular basic versions

Technical specifications (continued)

	6ED1 052-1CC00-0BA6	6ED1 052-1MD00-0BA6	6ED1 052-1HB00-0BA6	6ED1 052-1FB00-0BA6
EMC				
• Emission of radio interference to EN 55 011 (limit class B)	Yes	Yes	Yes	Yes
Environmental requirements				
Operating temperature				
• min.	0 °C	0 °C	0 °C	0 °C
• max.	55 °C	55 °C	55 °C	55 °C
Degree of protection				
IP 20	Yes	Yes	Yes	Yes
Standards, approvals, certificates				
CSA approval	Yes	Yes	Yes	Yes
developed to IEC1131	Yes	Yes	Yes	Yes
FM approval	Yes	Yes	Yes	Yes
to VDE 0631	Yes	Yes	Yes	Yes
Marine approval	Yes	Yes	Yes	Yes
UL Approval	Yes	Yes	Yes	Yes
Dimensions				
Dimensions				
• 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
• 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.	Order No.
LOGO! logic module 24 24 V DC power supply, 8x 24 V DC digital inputs, of which 4 can be used in analog mode (0 to 10 V), 4x 24 V DC digital outputs, 0.3 A; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-1CC00-0BA6	LOGO! PROM B7 6AG1 057-1AA01-0BA6 Programming device used to simultaneously reproduce program module contents on up to 8 program modules
LOGO! logic module 12/24RC 12/24 V DC power supply, 8x 12/24 V DC digital inputs, of which 4 can be used in analog mode (0 to 10 V), 4x 10 A relay outputs, integral time switch; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-1MD00-0BA6	LOGO!Soft Comfort V6.0 B8 6ED1 058-0BA02-0YA0 For programming on the PC in LAD/FBD; executes on Windows 98 SE and higher, Linux, MAC OSX; on CD-ROM
LOGO! logic module 24RC 24 V AC/DC power supply, 8x 24 V AC/DC digital inputs, 4x 10 A relay outputs, integral time switch; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-1HB00-0BA6	LOGO!Soft Comfort V6.0 upgrade 6ED1 058-0CA02-0YE0 Upgrade from V1.0 to V6.0
LOGO! logic module 230RC 115/230 V AC/DC power supply, 8x 115/230 V AC/DC digital inputs, 4x 10 A relay outputs, integral time switch; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-1FB00-0BA6	LOGO! PC cable 6ED1 057-1AA00-0BA0 For program transfer between LOGO! and the PC
Accessories		LOGO! USB PC cable B9 6ED1 057-1AA01-0BA0 For transferring the program between LOGO! and PC, including driver on CD-ROM
LOGO! TD text display 4-line text display, can be connected to all LOGO! 0BA6 Basic and Pure versions, including connecting cable	6ED1 055-4MH00-0BA0	LOGO! modem cable 6ED1 057-1CA00-0BA0 Adapter cable for analog modem communication
LOGO! manual German English French Spanish Italian Chinese	6ED1 050-1AA00-0AE7 6ED1 050-1AA00-0BE7 6ED1 050-1AA00-0CE7 6ED1 050-1AA00-0DE7 6ED1 050-1AA00-0EE7 6ED1 050-1AA00-0KE7	Front panel mounting set Width 4 width units 6AG1 057-1AA00-0AA0 Width 4 width units, with keys 6AG1 057-1AA00-0AA3 Width 8 width units 6AG1 057-1AA00-0AA1 Width 8 width units, with keys 6AG1 057-1AA00-0AA2
LOGO! Memory Card Program module for copying, with know-how protection	6ED1 056-1DA00-0BA0	LOGO! News Box, 12/24 V Contains LOGO! 12/24RC, LOGO! USB PC cable, LOGO!Soft Comfort V6.0, manual, screwdriver, information material German B9 6ED1 057-3BA00-0AA5 English B9 6ED1 057-3BA00-0BA5
LOGO! battery card Battery module for backing up the integral real-time clock (not LOGO! 24)	6ED1 056-6XA00-0BA0	LOGO! News Box, 230 V Contains LOGO! 230RC, LOGO! USB PC cable, LOGO!Soft Comfort V6.0, manual, screwdriver, information material German B9 6ED1 057-3AA02-0AA0 English B9 6ED1 057-3AA02-0BA0
LOGO! memory/battery card Combined program and battery module, with know-how protection and for backing up the integral real-time clock (not LOGO! 24)	6ED1 056-7DA00-0BA0	LOGO! TD News Box, 12/24 V Contains LOGO! 12/24RCo, LOGO! TD, LOGO! USB PC cable, LOGO! Soft Comfort V6.0, manual, screwdriver, information material German B9 6ED1 057-3BA10-0AA0 English B9 6ED1 057-3BA10-0BA0

B7: Subject to export regulations: AL: N and ECCN: EAR99H

B8: Subject to export regulations: AL: N and ECCN: EAR99S

B9: Subject to export regulations: AL: N and ECCN: EAR99T

LOGO! logic module

LOGO! modular

SIPLUS LOGO! modular basic versions

Overview

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- 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.

	SIPLUS LOGO! 24	SIPLUS LOGO! 12/24RC	SIPLUS LOGO! 24RC	SIPLUS LOGO! 230RC
Order No.	6AG1 052-1CC00-2BA5	6AG1 052-1MD00-2BA5	6AG1 052-1HB00-2BA5	6AG1 052-1FB00-2BA5
Order No. based on	6ED1 052-1CC00-0BA5	6ED1 052-1MD00-0BA5	6ED1 052-1HB00-0BA5	6ED1 052-1FB00-0BA5
Ambient temperature range	- 25 ... + 70 °C - 25 ... +55 °C (for applications with cUL approval), condensation permissible			
Environmental conditions	Suited for exceptional medial exposure (e.g. by chlorine sulfur atmosphere)			
Approvals	CE, cUL			
Technical data	The technical data are identical with those of the based-on modules.			

Technical specifications

	6AG1 052-1CC00-2BA5	6AG1 052-1MD00-2BA5	6AG1 052-1HB00-2BA5	6AG1 052-1FB00-2BA5
Supply voltages				
Rated value				
• DC 12 V		Yes		
• DC 24 V	Yes	Yes	Yes	
• DC 115 V				Yes
• DC 230 V				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
• AC 24 V			Yes	
• AC 115 V				Yes
• AC 230 V				Yes
• permissible range, lower limit (AC)			20.4 V	85 V
• permissible range, upper limit (AC)			26.4 V	265 V
Time				
Time switching clocks				
• Power reserve		80 Hours	80 Hours	80 Hours
Digital inputs				
Number of digital inputs	8; of which 2 can be used as analog (0...10V)	8; of which 2 can be used as analog (0...10V)	8	8

Technical specifications (continued)

	6AG1 052-1CC00-2BA5	6AG1 052-1MD00-2BA5	6AG1 052-1HB00-2BA5	6AG1 052-1FB00-2BA5
Digital outputs				
Number of digital outputs	4; Transistor	4; Relay	4; Relay	4; Relay
Short-circuit protection of the output	Yes; electrical (1 A)	No; external fusing necessary	No; external fusing necessary	No; external fusing necessary
Relay outputs				
Switching capacity of the contacts				
• with inductive load, max.		3 A	3 A	3 A
• with resistive load, max.	0.3 A	10 A	10 A	10 A
EMC				
• Emission of radio interference to EN 55 011 (limit class B)	Yes	Yes	Yes	Yes
Environmental requirements				
Operating temperature				
• min.	0 °C	0 °C	0 °C	0 °C
• max.	55 °C	55 °C	55 °C	55 °C
Degree of protection				
IP 20	Yes	Yes	Yes	Yes
Standards, approvals, certificates				
CSA approval	Yes	Yes	Yes	Yes
developed to IEC 1131	Yes	Yes	Yes	Yes
FM approval	Yes	Yes	Yes	Yes
to VDE 0631	Yes	Yes	Yes	Yes
Marine approval	Yes	Yes	Yes	Yes
UL Approval	Yes	Yes	Yes	Yes
Dimensions				
Dimensions				
• 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
• 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

LOGO! logic module

LOGO! modular

SIPLUS LOGO! modular basic versions

2

Ordering Data	Order No.	Order No.
SIPLUS LOGO! 24 (extended temperature range and medial exposure) 24 V DC power supply, eight 24 V DC digital inputs, of which two can be used in analog mode (0 to 10 V), four 24 V DC digital outputs, 0.3 A; 130 function blocks can be inter-linked, modular expansion capability	6AG1 052-1CC00-2BA5	Accessories LOGO! Manual German 6ED1 050-1AA00-0AE6 English 6ED1 050-1AA00-0BE6 French 6ED1 050-1AA00-0CE6 Spanish 6ED1 050-1AA00-0DE6 Italian 6ED1 050-1AA00-0EE6 LOGO! Memory Card 6ED1 056-5CA00-0BA0 For copying, with know-how protection LOGO!Soft Comfort V5.0 6ED1 058-0BA01-0YA0 For programming on the PC in LAD/FBD; executes on Windows 95 and higher, Linux, MAC OSX; on CD-ROM LOGO!Soft Comfort Upgrade B8 6ED1 058-0CA01-0YE0 From V1.0 or higher to V4.0 LOGO! PC cable 6ED1 057-1AA00-0BA0 For program transfer between LOGO! and the PC LOGO! PROM B7 6AG1 057-1AA01-0BA5 Programming device for modules LOGO! Mounting set For use in a front panel with plexiglass pane and gasket <ul style="list-style-type: none"> • Mounting set 4 WM 6AG1 057-1AA00-0AA0 • Mounting set 4 WM with keys 6AG1 057-1AA00-0AA3 • Mounting set 8 WM 6AG1 057-1AA00-0AA1 • Mounting set 8 WM with keys 6AG1 057-1AA00-0AA2 SIPLUS upmiter power supply unit 6AG1 053-1AA00-2AA0 for dependable operation of SIPLUS devices supplied by the battery of internal combustion engines
SIPLUS LOGO! 12/24RC (extended temperature range and medial exposure) 12/24 V DC power supply, eight 12/24 V DC digital inputs, of which two can be used in analog mode (0 to 10 V), four relay outputs 10 A, integral time switch; 130 function blocks can be inter-linked, modular expansion capability	6AG1 052-1MD00-2BA5	
SIPLUS LOGO! 24RC (extended temperature range and medial exposure) 24 V AC/DC power supply, eight 24 V AC/DC digital inputs, four relay outputs 10 A, integral time switch; 130 function blocks can be inter-linked, modular expansion capability	6AG1 052-1HB00-2BA5	
SIPLUS LOGO! 230RC (extended temperature range and medial exposure) 115/230 V AC/DC power supply, eight 115/230 V AC/DC digital inputs, four relay outputs 10 A, integral time switch; 130 function blocks can be inter-linked, modular expansion capability	6AG1 052-1FB00-2BA5	

B7: Subject to export regulations: AL: N and ECCN: EAR99H

B8: Subject to export regulations: AL: N and ECCN: EAR99S

Overview



- The cost-optimized basic versions
- 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
- With connection option for LOGO! TD text display (can be connected to all LOGO! 0BA6 basic versions)

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Technical specifications

	6ED1 052-2CC00-0BA6	6ED1 052-2MD00-0BA6	6ED1 052-2HB00-0BA6	6ED1 052-2FB00-0BA6
Supply voltages				
Rated value				
• DC 12 V		Yes		
• DC 24 V	Yes	Yes	Yes	
• DC 115 V				Yes
• DC 230 V				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
• AC 24 V			Yes	
• AC 115 V				Yes
• AC 230 V				Yes
• permissible range, lower limit (AC)			20.4 V	85 V
• permissible range, upper limit (AC)			26.4 V	265 V
Time				
Time switching clocks				
• Number		8	8	8
• Power reserve		80 Hours	80 Hours	80 Hours
Digital inputs				
Number of digital inputs	8; of which 4 can be used as analog (0...10V)	8; of which 4 can be used as analog (0...10V)	8	8
Digital outputs				
Number of digital outputs	4; Transistor	4; Relay	4; Relay	4; Relay
Short-circuit protection of the output	Yes; electrical (1 A)	No; external fusing necessary	No; external fusing necessary	No; external fusing necessary
Relay outputs				
Switching capacity of the contacts				
• with inductive load, max.		3 A	3 A	3 A
• with resistive load, max.	0.3 A	10 A	10 A	10 A

LOGO! logic module

LOGO! modular

LOGO! modular pure versions

Technical specifications (continued)

	6ED1 052-2CC00-0BA6	6ED1 052-2MD00-0BA6	6ED1 052-2HB00-0BA6	6ED1 052-2FB00-0BA6
EMC				
• Emission of radio interference to EN 55 011 (limit class B)		Yes	Yes	Yes
Environmental requirements				
Operating temperature				
• min.	0 °C	0 °C	0 °C	0 °C
• max.	55 °C	55 °C	55 °C	55 °C
Degree of protection				
IP 20	Yes	Yes	Yes	Yes
Standards, approvals, certificates				
CSA approval	Yes	Yes	Yes	Yes
developed to IEC1131	Yes	Yes	Yes	Yes
FM approval	Yes	Yes	Yes	Yes
to VDE 0631	Yes	Yes	Yes	Yes
Marine approval	Yes	Yes	Yes	Yes
UL Approval	Yes	Yes	Yes	Yes
Dimensions				
Dimensions				
• 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
• 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

2

Ordering Data	Order No.	Order No.
LOGO! logic module 24o 24 V DC power supply, 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; without display and keyboard; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-2CC00-0BA6	LOGO! Memory Card Program module for copying, with know-how protection
LOGO! logic module 12/24RCo 12/24 V DC power supply, 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; without display and keyboard; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-2MD00-0BA6	LOGO! battery card Battery module for backing up the integral real-time clock (not LOGO! 24)
LOGO! logic module 24RCo 24 V AC/DC power supply, 8 digital inputs 24 V AC/DC, 4 relay outputs 10 A, integral time switch; without display and keyboard; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-2HB00-0BA6	LOGO! memory/battery card Combined program and battery module, with know-how protection and for backing up the integral real-time clock (not LOGO! 24o)
LOGO! logic module 230RCo 115/230 V AC/DC power supply, 8 digital inputs 115/230 V AC/DC, 4 relay outputs 10 A, integral time clock; without display and keyboard; 200 function blocks can be inter- linked, modular expansion capability	6ED1 052-2FB00-0BA6	LOGO! PROM B7 6AG1 057-1AA01-0BA6 Programming device used to simultaneously reproduce program module contents on up to 8 program modules
Accessories		LOGO!Soft Comfort V6.0 B8 6ED1 058-0BA02-0YA0 For programming on the PC in LAD/FBD; executes on Windows 98 SE and higher, Linux, MAC OSX; on CD-ROM
LOGO! TD text display 4-line text display, can be connected to all LOGO! 0BA6 Basic and Pure versions, including connecting cable	6ED1 055-4MH00-0BA0	LOGO!Soft Comfort V6.0 upgrade Upgrade from V1.0 to V6.0
LOGO! manual German English French Spanish Italian Chinese	6ED1 050-1AA00-0AE7 6ED1 050-1AA00-0BE7 6ED1 050-1AA00-0CE7 6ED1 050-1AA00-0DE7 6ED1 050-1AA00-0EE7 6ED1 050-1AA00-0KE7	LOGO! PC cable For program transfer between LOGO! and the PC
		LOGO! USB PC cable B9 6ED1 057-1AA01-0BA0 For transferring the program between LOGO! and PC, including driver on CD-ROM
		LOGO! modem cable Adapter cable for analog modem communication

B7: Subject to export regulations: AL: N and ECCN: EAR99H

B8: Subject to export regulations: AL: N and ECCN: EAR99S

B9: Subject to export regulations: AL: N and ECCN: EAR99T

LOGO! logic module

LOGO! modular

SIPLUS LOGO! modular pure versions

Overview

2



- Basic variants optimized for costs
- 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.
- Ambient temperature range -40 °C to +70 °C with 3 types

	SIPLUS LOGO! 24o	SIPLUS LOGO! 12/24RCo	SIPLUS LOGO! 24RCo	SIPLUS LOGO! 230RCo
Order No.	6AG1 052-2CC00-2BA5	6AG1 052-2MD00-2BA5	6AG1 052-2HB00-2BA5	6AG1 052-2FB00-2BA5
Order No. based on	6ED1 052-2CC00-0BA5	6ED1 052-2MD00-0BA5	6ED1 052-2HB00-0BA5	6ED1 052-2FB00-0BA5
Ambient temperature range	-25 ... +70 °C -25 ... +55 °C (for applications with cUL approval), condensation permissible			
Environmental conditions	Suited for exceptional medial exposure (e.g. by chlorine sulfur atmosphere)			
Approvals	CE, cUL			
Technical data	The technical data are identical with those of the based-on modules.			

	SIPLUS LOGO! 24o	SIPLUS LOGO! 24RCo	SIPLUS LOGO! 230RCo
Order No.	6AG1 052-2CC00-2BY5	6AG1 052-2HB00-2BY5	6AG1 052-2FB00-2BY5
Order No. based on	6ED1 052-2CC00-0BA5	6ED1 052-2HB00-0BA5	6ED1 052-2FB00-0BA5
Ambient temperature range	-40 ... +70 °C -25 ... +55 °C (for applications with cUL approval), condensation permissible		
Environmental conditions	Suited for exceptional medial exposure (e.g. by chlorine sulfur atmosphere)		
Approvals	CE, cUL (available soon)		
Technical data	The technical data are identical with those of the based-on modules.		

Technical specifications

	6AG1 052-2CC00-2BA5 6AG1 052-2CC00-2BY5	6AG1 052-2MD00-2BA5	6AG1 052-2HB00-2BA5 6AG1 052-2HB00-2BY5	6AG1 052-2FB00-2BA5 6AG1 052-2FB00-2BY5
Supply voltages				
Rated value				
• DC 12 V		Yes		
• DC 24 V	Yes	Yes	Yes	
• DC 115 V				Yes
• DC 230 V				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
• AC 24 V			Yes	
• AC 115 V				Yes
• AC 230 V				Yes
• permissible range, lower limit (AC)			20.4 V	85 V
• permissible range, upper limit (AC)			26.4 V	265 V

Technical specifications (continued)

	6AG1 052-2CC00-2BA5 6AG1 052-2CC00-2BY5	6AG1 052-2MD00-2BA5	6AG1 052-2HB00-2BA5 6AG1 052-2HB00-2BY5	6AG1 052-2FB00-2BA5 6AG1 052-2FB00-2BY5
Time				
Time switching clocks				
• Number		8	8	8
• Power reserve		80 Hours	80 Hours	80 Hours
Digital inputs				
Number of digital inputs	8; of which 2 can be used as analog (0...10V)	8; of which 2 can be used as analog (0...10V)	8	8
Digital outputs				
Number of digital outputs	4; Transistor	4; Relay	4; Relay	4; Relay
Short-circuit protection of the output	Yes; electrical (1 A)	No; external fusing necessary	No; external fusing necessary	No; external fusing necessary
Relay outputs				
Switching capacity of the contacts				
• with inductive load, max.		3 A	3 A	3 A
• with resistive load, max.	0.3 A	10 A	10 A	10 A
EMC				
• Emission of radio interference to EN 55 011 (limit class B)		Yes	Yes	Yes
Environmental requirements				
Operating temperature				
• min.	0 °C	0 °C	0 °C	0 °C
• max.	55 °C	55 °C	55 °C	55 °C
Degree of protection				
IP 20	Yes	Yes	Yes	Yes
Standards, approvals, certificates				
CSA approval	Yes	Yes	Yes	Yes
developed to IEC1131	Yes	Yes	Yes	Yes
FM approval	Yes	Yes	Yes	Yes
to VDE 0631	Yes	Yes	Yes	Yes
Marine approval	Yes	Yes	Yes	Yes
UL Approval	Yes	Yes	Yes	Yes
Dimensions				
Dimensions				
• 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
• 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

LOGO! logic module

LOGO! modular

SIPLUS LOGO! modular pure versions

2

Ordering Data

SIPLUS LOGO! 24o

(extended temperature range and medial exposure)

24 V DC power supply,
8 digital inputs 24 V DC, of which
2 can be used in analog mode
(0 to 10 V),
4 digital outputs 24 V DC, 0.3 A;
without display and keyboard;
130 function blocks can be inter-
linked, modular expansion
capability

Temperature range -25 ... +70 °C

6AG1 052-2CC00-2BA5

Temperature range -40 ... +70 °C

6AG1 052-2CC00-2BY5

SIPLUS LOGO! 12/24RCo

(extended temperature range and medial exposure)

12/24 V DC power supply,
8 digital inputs 12/24 V DC, of
which 2 can be used in analog
mode (0 to 10 V),
4 relay outputs 10 A,
integral time switch;
without display and keyboard;
130 function blocks can be inter-
linked, modular expansion
capability

6AG1 052-2MD00-2BA5

SIPLUS LOGO! 24RCo

(extended temperature range and medial exposure)

24 V AC/DC power supply,
8 digital inputs 24 V AC/DC,
4 relay outputs 10 A,
integral time switch;
without display and keyboard;
130 function blocks can be inter-
linked, modular expansion
capability

Temperature range -25 ... +70 °C

6AG1 052-2HB00-2BA5

Temperature range -40 ... +70 °C

6AG1 052-2HB00-2BY5

SIPLUS LOGO! 230RCo

(extended temperature range and medial exposure)

115/230 V AC/DC power supply,
8 digital inputs 115/230 V AC/DC,
4 relay outputs 10 A,
integral time clock;
without display and keyboard;
130 function blocks can be inter-
linked, modular expansion
capability

Temperature range -25 ... +70 °C

6AG1 052-2FB00-2BA5

Temperature range -40 ... +70 °C

6AG1 052-2FB00-2BY5

Accessories

LOGO! Manual

German

6ED1 050-1AA00-0AE5

English

6ED1 050-1AA00-0BE5

French

6ED1 050-1AA00-0CE5

Spanish

6ED1 050-1AA00-0DE5

Italian

6ED1 050-1AA00-0EE5

LOGO! Memory card

6ED1 056-5CA00-0BA0

For copying, with know-how
protection

LOGO!Soft Comfort V5.0

6ED1 058-0BA01-0YA0

For programming on the PC in
LAD/FBD; executes on
Windows 95 and higher, Linux,
MAC OSX; on CD-ROM

LOGO!Soft Comfort Upgrade

B8

6ED1 058-0CA01-0YE0

From V1.0 or higher to V4.0

LOGO! PC cable

6ED1 057-1AA00-0BA0

For program transfer between
LOGO! and the PC

SIPLUS LOGO! PROM

B7

6AG1 057-1AA01-0BA5

Programming device for modules

SIPLUS upmiter power supply unit

6AG1 053-1AA00-2AA0

for dependable operation of
SIPLUS devices supplied by the
battery of internal combustion
engines

B7: Subject to export regulations: AL: N and ECCN: EAR99H

B8: Subject to export regulations: AL: N and ECCN: EAR99S