

LOGO!

Technical Data



LOGO! 8 Basic				
	LOGO! 24CE	LOGO! 12/24RCE	LOGO! 24RCE	LOGO! 230RCE
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	Yes	Yes	Yes	Yes
Integrated time switches/ power reserve	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days
Connection cables	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions (W x H x D)	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm
Programming cable	Ethernet	Ethernet	Ethernet	Ethernet



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LOGO! 8 Basic				
	LOGO! 24CE	LOGO! 12/24RCE	LOGO! 24RCE	LOGO! 230RCE
LOGO! <=> LOGO! communication (Ethernet)	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG
LOGO! <=> network (Ethernet)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)
Maximum program memory	400 blocks	400 blocks	400 blocks	400 blocks
External memory module	Standard micro SD card	Standard micro SD card	Standard micro SD card	Standard micro SD card
Data Logging	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)
Online status chart	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC
Macro function	Yes	Yes	Yes	Yes
Web server	Yes	Yes	Yes	Yes
Article No.	6ED1052-1CC01-0BA8	6ED1052-1MD00-0BA8	6ED1052-1HB00-0BA8	6ED1052-1FB00-0BA8

LOGO!

Technical Data



LOGO! 8 Pure				
	LOGO! 24CEo	LOGO! 12/24RCEo	LOGO! 24RCEo	LOGO! 230RCEo
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	No	No	No	No
Integrated time switches/ power reserve	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days
Connection cables	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm
Programming cable	Ethernet	Ethernet	Ethernet	Ethernet



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LOGO! 8 Pure				
	LOGO! 24CEo	LOGO! 12/24RCEo	LOGO! 24RCEo	LOGO! 230RCEo
LOGO! <=> LOGO! communication (Ethernet)	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG
LOGO! <=> network (Ethernet)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)
Maximum program memory	400 blocks	400 blocks	400 blocks	400 blocks
External memory module	Standard micro SD card	Standard micro SD card	Standard micro SD card	Standard micro SD card
Data Logging	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)
Online status chart	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC
Macro function	Yes	Yes	Yes	Yes
Web server	Yes	Yes	Yes	Yes
Article No.	6ED1052-2CC01-0BA8	6ED1052-2MD00-0BA8	6ED1052-2HB00-0BA8	6ED1052-2FB00-0BA8



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LOGO!

Technical Data



LOGO! 7 Basic		
	LOGO! 12/24RCE	LOGO! 230RCE
Inputs	8	8
of which can be used in analog mode	4 (0 to 10 V)	–
Input/supply voltage	12...24 V DC	AC/DC 115...230 V
Permissible range	10.8 V...28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; relays	4; relays
Continuous current	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	External fuse required	External fuse required
Switching frequency	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function
Display	Yes	Yes
Integrated time switches/ power reserve	Yes / typ. 20 days	Yes / typ. 20 days
Connection cables	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²
Ambient temperature	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 6 spacing units wide, or wall mounting	on 35 mm DIN rail, 6 spacing units wide, or wall mounting
Dimensions (W x H x D)	107 (6 MW) x 90 x 60 mm	107 (6 MW) x 90 x 60 mm
Programming cable	Ethernet	Ethernet

LOGO!

Technical Data



LOGO! 7 Basic		
	LOGO! 12/24RCE	LOGO! 230RCE
LOGO! <=> LOGO! communication (Ethernet)	Yes, max. 8 LOGO! + 1 PC/PG	Yes, max. 8 LOGO! + 1 PC/PG
LOGO! <=> network (Ethernet)	Yes, max. 8 TN LOGO!, SIMATIC CPU, 1x SIMATIC HMI, PC)	Yes, max. 8 TN (LOGO!, SIMATIC CPU, 1x SIMATIC HMI, PC)
Maximum program memory	400 blocks	400 blocks
External memory module	SIMATIC memory card or standard SD card max. 8 GB	SIMATIC memory card or standard SD card max. 8 GB
Data Logging	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)
Online status chart	Yes, with saving on the PC	Yes, with saving on the PC
Macro function	Yes	Yes
Web server	No	No
Article No.	6ED1052-1MD00-0BA7	6ED1052-1FB00-0BA7

LOGO!

Technical Data



LOGO! 6 Basic				
	LOGO! 24C	LOGO! 12/24RC	LOGO! 24RC	LOGO! 230RC
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	Yes	Yes	Yes	Yes
Integrated time switches/ power reserve	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)
Connection cables	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions (W x H x D)	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm
Programming cable	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)
Optional backup battery	Yes	Yes	Yes	Yes

LOGO!

Technical Data



LOGO! 6 Basic				
	LOGO! 24C	LOGO! 12/24RC	LOGO! 24RC	LOGO! 230RC
LOGO! <=> LOGO! communication (Ethernet)	No	No	No	No
LOGO! <=> network (Ethernet)	No	No	No	No
Maximum program memory	200 blocks	200 blocks	200 blocks	200 blocks
External memory module	LOGO! memory card	LOGO! memory card	LOGO! memory card	LOGO! memory card
Data Logging	No	No	No	No
Online status chart	No	No	No	No
Macro function	No	No	No	No
Web server	No	No	No	No
Article No.	6ED1052-1CC01-0BA6	6ED1052-1MD00-0BA6	6ED1052-1HB00-0BA6	6ED1052-1FB00-0BA6

LOGO!

Technical Data



LOGO! 6 Pure				
	LOGO! 24Co	LOGO! 12/24RCo	LOGO! 24RCo	LOGO! 230RCo
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	No	No	No	No
Integrated time switches/ power reserve	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)	Yes /typ. 80 h (2 years with battery module)
Connection cables	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²	2 x 1.5 mm ² or 1 x 2.5 mm ²
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions (W x H x D)	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm	71,5 (4 MW) x 90 x 60 mm
Programming cable	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)	LOGO! PC cable, (RS232 or USB)
Optional backup battery	Yes	Yes	Yes	Yes

LOGO!

Technical Data



LOGO! 6 Pure				
	LOGO! 24Co	LOGO! 12/24RCo	LOGO! 24RCo	LOGO! 230RCo
LOGO! <=> LOGO! communication (Ethernet)	No	No	No	No
LOGO! <=> network (Ethernet)	No	No	No	No
Maximum program memory	200 blocks	200 blocks	200 blocks	200 blocks
External memory module	LOGO! memory card	LOGO! memory card	LOGO! memory card	LOGO! memory card
Data Logging	No	No	No	No
Online status chart	No	No	No	No
Macro function	No	No	No	No
Web server	No	No	No	No
Article No.	6ED1052-2CC01-0BA6	6ED1052-2MD00-0BA6	6ED1052-2HB00-0BA6	6ED1052-2FB00-0BA6