

Product Selection

easy500—Display



easy500 Programmable Relays (Standalone)

Description	Inputs					Outputs		Catalog Number
	24 Vac	110–240 Vac	12 Vdc	24 Vdc	Analog ^①	Relay	Transistor	
Display								
12 I/O, no clock	—	8	—	—	—	4	—	EASY512-AC-R
	—	—	—	8	2	4	—	EASY512-DC-R
12 I/O, clock	8	—	—	—	2	4	—	EASY512-AB-RC
	—	8	—	—	—	4	—	EASY512-AC-RC
	—	—	8	—	2	4	—	EASY512-DA-RC
	—	—	—	8	2	4	—	EASY512-DC-RC
	—	—	—	8	2	—	4	EASY512-DC-TC
No Display								
12 I/O, clock	8	—	—	—	2	4	—	EASY512-AB-RCX
	—	8	—	—	—	4	—	EASY512-AC-RCX
	—	—	8	—	2	4	—	EASY512-DA-RCX
	—	—	—	8	2	4	—	EASY512-DC-RCX
	—	—	—	8	2	—	4	EASY512-DC-TCX

easy500—No Display



easy700—Display



easy700 Programmable Relays (Expandable and Networkable)

Description	Inputs					Outputs		Catalog Number
	24 Vac	110–240 Vac	12 Vdc	24 Vdc	Analog ^①	Relay	Transistor	
Display								
18 I/O, clock	12	—	—	—	4	6	—	EASY719-AB-RC
	—	12	—	—	—	6	—	EASY719-AC-RC
	—	—	12	—	4	6	—	EASY719-DA-RC
	—	—	—	12	4	6	—	EASY719-DC-RC
20 I/O, clock	—	—	—	12	4	—	8	EASY721-DC-TC
No Display								
18 I/O, clock	12	—	—	—	4	6	—	EASY719-AB-RCX
	—	12	—	—	—	6	—	EASY719-AC-RCX
	—	—	12	—	4	6	—	EASY719-DA-RCX
	—	—	—	12	4	6	—	EASY719-DC-RCX
20 I/O, clock	—	—	—	12	4	—	8	EASY721-DC-TCX

easy700—No Display



easy800—Display



easy800 Programmable Relays (Expandable and Networkable)

Description	Inputs			Outputs			Catalog Number
	110–240 Vac	24 Vdc	Analog ^①	Relay	Transistor	Analog	
Display							
18 I/O, clock	12	—	—	6	—	—	EASY819-AC-RC
	—	12	4	6	—	—	EASY819-DC-RC
19 I/O, clock	—	12	4	6	—	1	EASY820-DC-RC
20 I/O, clock	—	12	4	—	8	—	EASY821-DC-TC
21 I/O, clock	—	12	4	—	8	1	EASY822-DC-TC
No Display							
18 I/O, clock	12	—	—	6	—	—	EASY819-AC-RCX
	—	12	4	6	—	—	EASY819-DC-RCX
19 I/O, clock	—	12	4	6	—	1	EASY820-DC-RCX
20 I/O, clock	—	12	4	—	8	—	EASY821-DC-TCX
21 I/O, clock	—	12	4	—	8	1	EASY822-DC-TCX

easy800—No Display



Note

① Analog inputs optional. Use of analog inputs will result in a decrease in the same number of available digital inputs.

Technical Data and Specifications

easy500 Series

Type	EASY512-AB...	EASY512-AC...	EASY512-DA...	EASY512-DC-R...	EASY512-DC-TC.
Supply voltage	24 Vac	100–240 Vac	12 Vdc	24 Vdc	24 Vdc
Heat dissipation	5 VA	5 VA	2W	2W	2W
Continuous current outputs ^①	8A	8A	8A	8A	0.5A
Short-circuit proof with power factor 1	Line protection B16, 600 A				—
Short-circuit proof with power factor 0.7...0.7	Line protection B16, 900 A				—
Mounting	On 35 mm DIN rail or screw mounting with ZB4-101-GF1 mounting feet				
Connection cables					
Solid	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)
Flexible	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)
Degree of protection	IP20	IP20	IP20	IP20	IP20
RFI suppression	EN 55011, EN 55022 Class B, IEC 61000-6-1, 2, 3, 4				
Ambient operating temperature	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C
Transport and storage temperature	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C
Hazardous location	CSA Class I, Div. 2, Groups A, B, C, D; Temp. Code T3C				

easy700 Series

Type	EASY719-AB...	EASY719-AC...	EASY719-DA...	EASY719-DC-RC...	EASY721-DC-TC.
Supply voltage	24 Vac	100–240 Vac	12 Vdc	24 Vdc	24 Vdc
Heat dissipation	7 VA	10 VA	3.5W	3.5W	3.5W
Continuous current outputs ^①	8A	8A	8A	8A	0.5A
Short-circuit proof with power factor 1	Line protection B16, 600A	Line protection B16, 600A	Line protection B16, 600A	Line protection B16, 600A	—
Short-circuit proof with power factor 0.7...0.7	Line protection B16, 900A	Line protection B16, 900A	Line protection B16, 900A	Line protection B16, 900A	—
Mounting	On 35 mm DIN rail or screw mounting with ZB4-101-GF1 mounting feet				
Connection cables					
Solid	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)
Flexible	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)
Degree of protection	IP20	IP20	IP20	IP20	IP20
RFI suppression	EN 55011, EN 55022 Class B, IEC 61000-6-1, 2, 3, 4				
Ambient operating temperature	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C
Transport and storage temperature	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C
Hazardous location	CSA Class I, Div. 2, Groups A, B, C, D; Temp. Code T3C				

easy800 Series

Type	EASY819-AC...	EASY819-DC-RC...	EASY820-DC-RC...	EASY821-DC-TC...	EASY822-DC-TC.
Supply voltage	100–240 Vac	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Heat dissipation	10 VA	3.4W	3.4W	3.4W	3.4W
Continuous current outputs ^①	8A	8A	8A	8A	0.5A
Short-circuit proof with power factor 1	Line protection B16, 600A	Line protection B16, 600A	Line protection B16, 600A	Line protection B16, 600A	—
Short-circuit proof with power factor 0.7...0.7	Line protection B16, 900A	Line protection B16, 900A	Line protection B16, 900A	Line protection B16, 900A	—
Mounting	On 35 mm DIN rail or screw mounting with ZB4-101-GF1 mounting feet				
Connection cables					
Solid	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)	0.2–4.0 mm ² (AWG 22–12)
Flexible	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)	0.2–2.5 mm ² (AWG 22–12)
Degree of protection	IP20	IP20	IP20	IP20	IP20
RFI suppression	EN 55011, EN 55022 Class B, IEC 61000-6-1, 2, 3, 4				
Ambient operating temperature	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C	–25° to 55°C
Transport and storage temperature	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C	–40° to 70°C
Hazardous location	CSA Class I, Div. 2, Groups A, B, C, D; Temp. Code T3C				

Note

^① Relay = 8A (10A to UL) with resistive load, 3A with inductive load. Transistor outputs = 0.5A/24 Vdc, maximum four outputs switchable in parallel.