



Basic device, 120/240VAC, 4DI 120VAC, 3 DO relays

Part no. C445BA-SALN
Catalog No. 181540
Alternate Catalog No. C445BA-SALN

Delivery program

Product range			Basic devices
Description			Digital Inputs 120 V AC Zero-voltage safe
Rated control voltage	U _s	V AC	120/240

Technical data

General

Standards			IEC/EN 60947-4-1, UL 60947-4-1
Dimensions			
Width		mm	45
Height		mm	80
Depth		mm	112
Weight		kg	0.24
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Mounting position			Vertical
Mechanical shock resistance		g	15 Shock duration 11 ms non-operating
Altitude		m	Max. 2000
Terminal capacity			
Solid		mm ²	1 x (0.2 - 2.5)
flexible, with ferrule		mm ²	1 x (0.2 - 2.5)
Solid or stranded		AWG	1 x AWG24 - 12
Notes			Minimum length 7 mm.

Climatic environmental conditions

Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	+60
Storage	θ	°C	-40 - +80

Main conducting paths

Overvoltage category/pollution degree			II/3
Rated operating voltage	U _e	V AC	110 - 690
Rated frequency	f	Hz	47 - 63
Static heat dissipation, non-current-dependent	P _{vs}	W	5
Current measurement			
Release class		CLASS	5 - 40

Control section

Input data			
Supply voltage	U _{AUX}	V AC	120/240 (-20 - +10 %)
Actuating circuit (ON, L, R)			
Switching level "Low"		V DC	79 - 132
Switching level "High"		V DC	0 - 30
Feedback outputs			
Contacts			
N/O = Normally open			2 N/O
CO = changeover			1 CO
Rated operating voltage	U _e	V	120/240 V AC
Rated operational current			

AC-15			
230 V	I_e	A	1.5
Pilot Duty			
AC operated			B300
DC operated			R300 nur Schließer

Electromagnetic compatibility (EMC)

Electrostatic discharge (ESD)			
applied standard			IEC/EN 61000-4-2
Air discharge		kV	8
Contact discharge		kV	4
Electromagnetic fields (RFI)			
applied standard			IEC/EN 61000-4-3
		V/m	80 - 1000 MHz: 10
Burst		kV	2 according to IEC/EN 61000-4-4
power pulses (Surge)			1 kV (symmetrical) 2 kV (asymmetrical) according to IEC/EN 61000-4-5
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10

Rating data for approved types

Auxiliary contacts			
Pilot Duty			
AC operated			B300
DC operated			R300 nur Schließer
General Use			
AC		V	240
AC		A	1.5
DC		V	250
DC		A	0.1

Design verification as per IEC/EN 61439

Technical data for design verification			
Static heat dissipation, non-current-dependent	P_{vs}	W	5
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	60

Approvals

Product Standards			UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.			E1230
UL Category Control No.			NKCR
North America Certification			UL listed, CSA certified
Specially designed for North America			No

Dimensions

