Disclaimer. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



sub-base for plug-in relay ABE7 - 16 channels - fuses - relay 10 mm

Local distributor code:

402703073 ABE7P16T215

EAN Code: 3389110644593

Main

Range of product	Modicon ABE7	
Product or component type	Sub-base for plug-in relay	
Sub-base type	Output sub-base	
[Us] rated supply voltage	1930 V conforming to IEC 61131-2	
Number of channels	16	
Connections - terminals	Screw type terminals, 1 x 0.091 x 1.5 mm² (AWG 28AWG 16) flexible with cable end	
	Screw type terminals, 1 x 0.141 x 2.5 mm ² (AWG 26AWG 12) solid	
	Screw type terminals, 1 x 0.141 x 2.5 mm ² (AWG 26AWG 14) flexible without cable end	
	Screw type terminals, 2 x 0.092 x 0.75 mm² (AWG 28AWG 20) flexible with cable end	
	Screw type terminals, 2 x 0.22 x 2.5 mm² (AWG 24AWG 14) solid	
Channel additional information	1 switch disconnector per channel	

Complementary

Complementary		
supply voltage type	DC	
Product compatibility	ABR7S2. ABS7SC2. ABE7ACC20 ABS7SA2.	
Status LED	1 LED per channel (green) channel status 1 LED (green) power ON	
Polarity distribution	Polarity distribution contact common per 2 groups of 8 channels	
Short-circuit protection	1 A internal fuse, 5 x 20 mm, fast blow (PLC end) 0.5 A fuse per channel, 5 x 20 mm, fast blow (output circuit)	
Fixing mode	By clips (35 mm symmetrical DIN rail) By screws (solid plate with fixing kit)	
Maximum supply current	1 A	
Voltage drop on power supply fuse	0.3 V	
Maximum current per output common	16 A	
[Ui] rated insulation voltage	300 V coil circuit/contact circuits conforming to IEC 60947-1 2000 V terminals/mounting rails	
[Uimp] rated impulse withstand voltage	2.5 kV	
Installation category	II conforming to IEC 60664-1	
Tightening torque	0.6 N.m with flat Ø 3.5 mm screwdriver	
Width	211 mm	
Height	89 mm	

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Depth	74 mm
Net weight	0.67 kg

Environment

Product certifications	GL CSA DNV EAC	
IP degree of protection	IP2X conforming to IEC 60529	
Resistance to incandescent wire	750 °C conforming to IEC 60695-2-11	
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27	
Vibration resistance	2 gn (f= 10150 Hz) conforming to IEC 60068-2-6	
Resistance to electrostatic discharge	4 kV (contact) level 3 conforming to IEC 61000-4-2 8 kV (air) level 3 conforming to IEC 61000-4-2	
Resistance to radiated fields	10 V/m (260000001000000000 Hz) conforming to IEC 61000-4-3 level 3	
Resistance to fast transients	2 kV level 3 conforming to IEC 61000-4-4	
Ambient air temperature for operation	-560 °C conforming to IEC 61131-2	
Ambient air temperature for storage	-4080 °C conforming to IEC 61131-2	
Pollution degree	2 conforming to IEC 60664-1	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	9.6 cm
Package 1 Length	22.1 cm
Package 1 Weight	652.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.417 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1040
Environmental Disclosure	Product Environmental Profile

Use Better

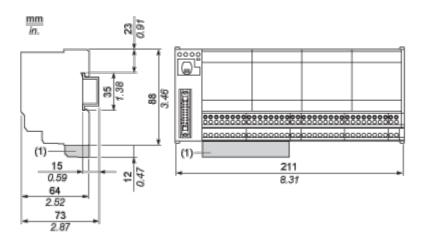
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	1bbe7d20-74c0-4e7e-b98b-d2946f4ab8b4
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

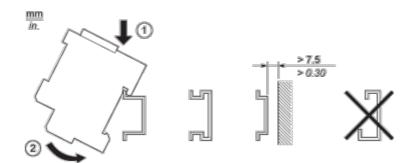


(1) ABE7BV10 / BV20, ABE7BV10E / BV20E

ABE7P16T215

Mounting and Clearance

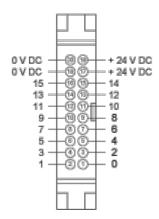
Mounting



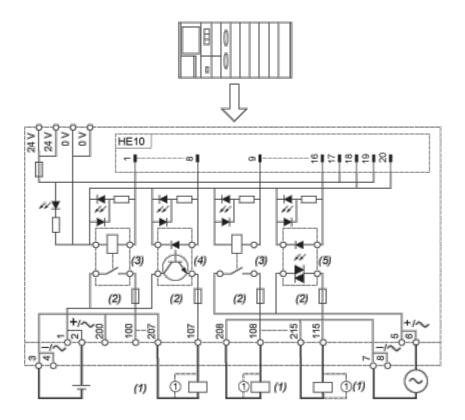
ABE7P16T215

Connections and Schema

HE10 16 Channels

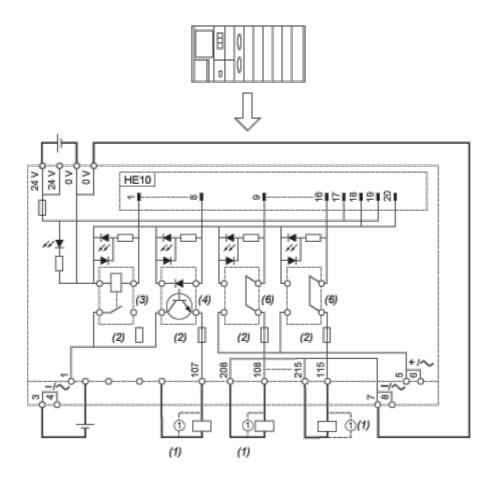


Wiring Diagram



- (1) Inductive load
- (2) Fuse only for ABE7P16T215
- (3) ABR7S21 (1 "F"/SPDT) (not supplied)
- (4) ABS7SC2E (5...48 VDC) I max. = 0.5 A (not supplied)
- (5) ABS7SA2M (24...240 VAC) I max. = 0.5 A (not supplied)

Wiring Diagram with ABE7ACC20

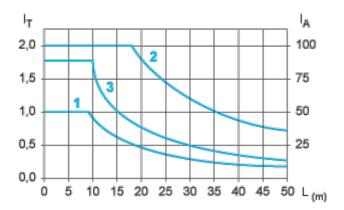


- (1) Inductive load
- (2) Fuse only for ABE7P16T215
- (3) ABR7S21 (1 "F"/SPDT) (not supplied)
- (4) ABS7SC2E (5...48 VDC) I max. = 0.5 A (not supplied)
- (6) ABE7ACC20 (24 VDC) (not supplied/not isolated)

Performance Curves

Curves for Determining Cable Type and Length According to the Current

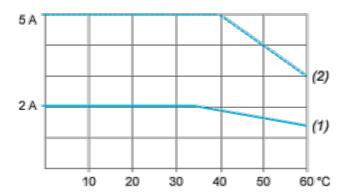
16-channel Sub-base



- L Cable length
- I_{T} Total current per sub base (A)
- I_A Average current per channel (mA)
- (1) TSXCDP••2 and ABFH20H••0 cables with c.s.a. 0.08 mm² (AWG 28).
- (2) TSXCDP••3 cables with c.s.a. 0.34 mm² (AWG 22).
- (3) Cables with c.s.a. 0.13 mm² (AWG 26).

The curves are given for a voltage drop of 1 V in the cable. For n volts tolerance, multiply the length determined from the graph by n.

Temperature Derating Curves



- (1) 100 % of channels used
- (2) 50 % of channels used