Product data sheet
Characteristics

ABE7E16SPN22
connection sub-base ABE7 - for Twido extension - 16 outputs - fuses

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 159.00 USD

Main

Commercial Status	Commercialised
Range of product	Advantys Telefast ABE7
Product or component type	Passive discrete I/O sub-base
[Us] rated supply voltage	24 V DC (sensor/controller side) 24 V DC (controller side)
Number of channels	16
Number of terminal per channel	2
Connections - terminals	Screw type terminals, clamping capacity: 2 x 0.2...2 x 2.5 mm² AWG 28...AWG 16 solid Screw type terminals, clamping capacity: 2 x 0.09...2 x 0.75 mm² AWG 28...AWG 20 flexible with cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 14 flexible without cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm² AWG 26...AWG 12 solid Screw type terminals, clamping capacity: 1 x 0.09...1 x 1.5 mm² AWG 28...AWG 16 flexible with cable end
Connector destination	Twido programmable controller

Complementary

Supply voltage limits	20.4...28.8 V DC (sensor/controller side) conforming to IEC 61131-2 19...30 V DC (controller side) conforming to IEC 61131-2
Discrete output number	16
Discrete output logic	Source
Discrete output voltage	24 V
Discrete output voltage type	DC
Product compatibility	TWDDDO16TK TWDDDO32TK
Status LED	1 LED per channel channel status 1 LED power ON
Polarity distribution	1 common/16 channels output
Short circuit protection	0.125 A fuse per channel, 5 x 20 mm, fast blow (output circuit) 2 A internal fuse, 5 x 20 mm, fast blow (controller side)
Connector type	HE-10
Pin number	20 pins
Fixing mode	By screws By clips on 35 mm symmetrical DIN rail conforming to IEC 60715
Supply current	<= 2 A
Current per channel	0.0032 A
Switched current	100 mAfor output circuit
Current per output common	1.6 A
Voltage drop on power supply fuse	0.3 V

[Ui] rated insulation voltage	2000 V between terminals/mounting rails
Overvoltage category	II conforming to IEC 60664-1
Tightening torque	5.31 lbf.in (0.6 N.m) (with flat Ø 3.5 mm)
Product weight	0.99 lb(US) (0.45 kg)

Environment

Product certifications	CSA UL
IP degree of protection	IP2x conforming to IEC 60529
Resistance to incandescent wire	1382 °F (750 °C) conforming to IEC 60695-2-11
Shock resistance	15 gn 11 ms conforming to IEC 60068-2-27
Vibration resistance	2 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
Resistance to electrostatic discharge	8 kV (air) conforming to IEC 61000-4-2 level 3 4 kV (contact) conforming to IEC 61000-4-2 level 3
Resistance to radiated fields	9.14 V/yd (10 V/m) (80000000...2000000000 Hz) conforming to IEC 61000-4-3 level 3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4 level 3
Ambient air temperature for operation	23...140 °F (-5...60 °C) conforming to IEC 61131-2
Ambient air temperature for storage	-40...176 °F (-40...80 °C) conforming to IEC 61131-2
Pollution degree	2 conforming to IEC 60664-1

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901590316
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	LV

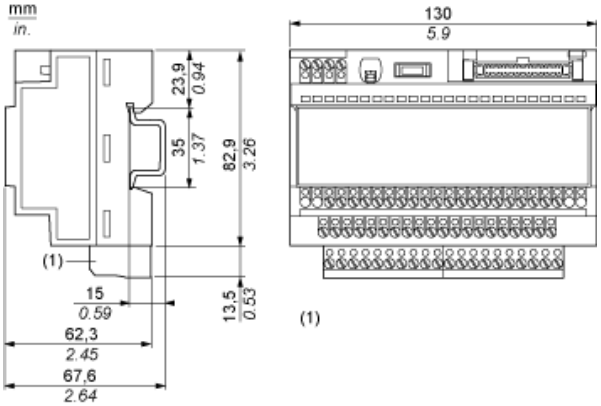
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Available Download End Of Life Manual

Contractual warranty

Warranty period	18 months

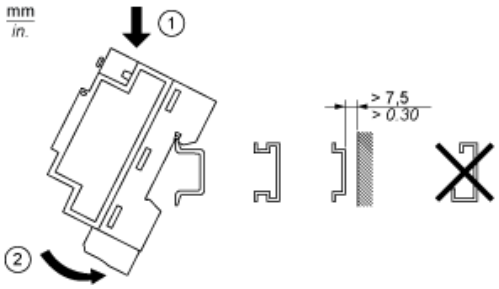
Dimensions



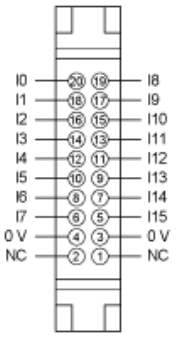
(1) ABE7BV10 / BV20 / BV20TB

ABE7E16SPN22

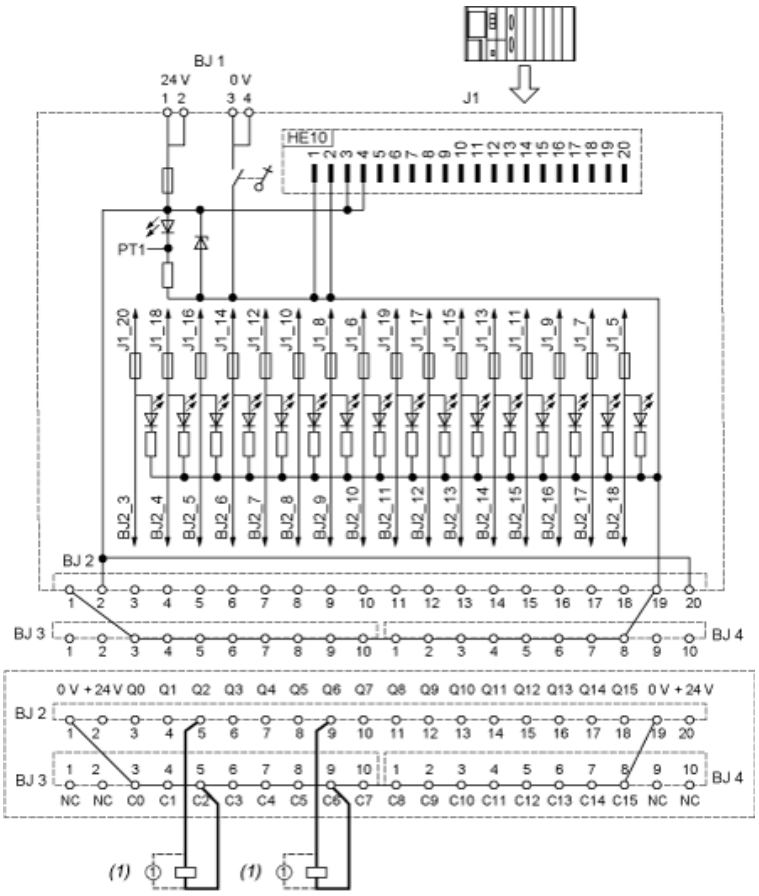
Mounting



HE10 16 Channels

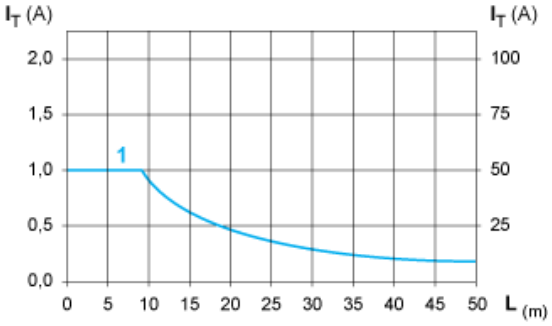


Wiring Diagram



(1) Inductive load

Curves for Determining Cable Type and Length According to the Current



L Cable length
I_T Total current per sub base (A)
I_A Average current per channel (mA)
(1) Cables ABFT2••••• c.s.a. 0.08 mm^2 (AWG 28)

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.