



Main

Range of product	Advantys Telefast ABE7
Product or component type	Connection sub-base for counter and analogue channels
Number of channels	1 2 8
Connections - terminals	Screw type terminals, clamping capacity: 2 x 0.2...2 x 2.5 mm ² AWG 24...14 solid Screw type terminals, clamping capacity: 2 x 0.09...2 x 0.75 mm ² AWG 28...20 flexible with cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² AWG 26...14 flexible without cable end Screw type terminals, clamping capacity: 1 x 0.14...1 x 2.5 mm ² AWG 26...12 solid Screw type terminals, clamping capacity: 1 x 0.09...1 x 1.5 mm ² AWG 28...16 flexible with cable end

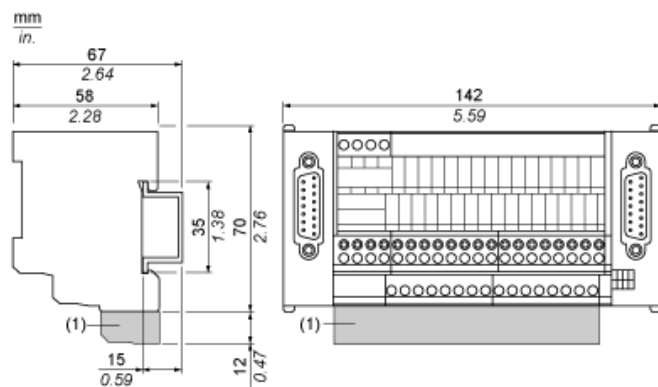
Complementary

Function of module	Counting, axis control, position control , compatible with Premium Counting and analogue , compatible with TSX Micro
Product compatibility	TSXCTZ2A compatible with TSX Micro TSXCTZ1A compatible with TSX Micro TSXCTY4A compatible with Premium TSXCTY2A compatible with Premium TSXCAY41 compatible with Premium TSXCAY21 compatible with Premium TSX3722 compatible with TSX Micro
Control circuit voltage	24 V DC
Connection to PLC	SUB-D 15
Fixing mode	By screws on solid plate with fixing kit By clips on 35 mm symmetrical DIN rail
[Ui] rated insulation voltage	2000 V between terminals/mounting rails
Installation category	II conforming to IEC 60664-1
Tightening torque	0.6 N.m (with flat Ø 3.5 mm)
Product weight	0.3 kg

Environment

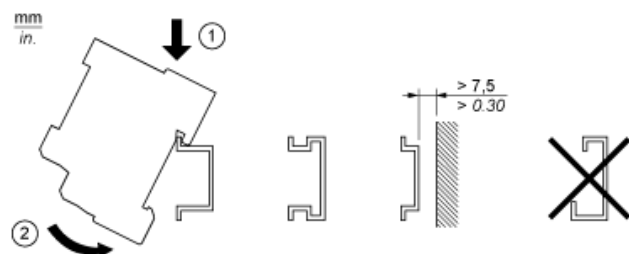
Product certifications	BV CSA DNV GL LROS (Lloyds register of shipping) UL
IP degree of protection	IP20 conforming to IEC 60529
Resistance to incandescent wire	750 °C conforming to IEC 60695-2-11
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	2 gn (f = 10...150 Hz) 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	10 V/m (26000000...1000000000 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	0...60 °C
Ambient air temperature for storage	-40...80 °C conforming to IEC 61131-2
Pollution degree	2 conforming to IEC 60664-1

Dimensions



(1) ABE7BV10 / ABE7BV20

Mounting



The diagram shows a circuit for a 15-bit digital-to-analog converter (DAC). It consists of two 8-bit DACs, X1 and X2, and a 15-bit digital input (D0-D14). The input lines are connected to the DACs as follows:

- D0-D7 are connected to the 8-bit inputs of DAC X1.
- D8-D14 are connected to the 8-bit inputs of DAC X2.

The DACs are powered by a 24V supply and ground (GND). The output of the DACs is connected to a 15-bit digital-to-analog converter (DAC) block, which is labeled "DAC" and has a "V_{OUT}" pin. The output of the DAC is connected to a 15-bit digital-to-analog converter (DAC) block, which is labeled "DAC" and has a "V_{OUT}" pin. The output of the DAC is connected to a 15-bit digital-to-analog converter (DAC) block, which is labeled "DAC" and has a "V_{OUT}" pin.