

Hovedkarakteristikk

Produktspekter	Advantys Telefast ABE7
Produkt eller komponent type	Sub-base with plug-in electromechanical relay
Sub-base type	Output sub-base
[Us] merkespenning	19 - 30 V i samsvar med IEC 61131-2
Antall kanaler	16
Tilkoblingsklemmer	Klemme med skruer, klem kapasitet: 1 x 0.14...1 x 2.5 mm ² AWG 26...AWG 14 fleksibel uten endehylse Klemme med skruer, klem kapasitet: 1 x 0.14...1 x 1.5 mm ² AWG 26...AWG 16 fleksibel med endehylse Klemme med skruer, klem kapasitet: 1 x 0.14...1 x 4 mm ² AWG 26...AWG 12 solid Klemme med skruer, klem kapasitet: 2 x 0.14...2 x 0.75 mm ² AWG 26...AWG 18 fleksibel med endehylse Klemme med skruer, klem kapasitet: 2 x 0.14...2 x 1.5 mm ² AWG 26...AWG 16 solid

Alternativer

Type spenningsforsyning	DC
Produktkompatibilitet	ABR7S11
Kontakttype og sammensetning	1 NO
Status LED	1 LED for Strøm PÅ 1 LED per channel for channel status
Polarity distribution	Common distribution group of 4 + 2 inputs common terminals
Kortslutningsvern	1 A internal fuse, 5 x 20 mm, fast blow (PLC end)
Monteringsmetode	Med klips på 35 mm DIN rail By screws på surface mount with kit
Matespenning	<= 1 A
Spenningsfall på strømforsyningen sikring	0.3 V
Current per output common	<= 5 A klemme med skruer
[U _i] isolasjonsspenning	2000 V between terminals/mounting rails 300 V between coil circuit/contact circuits i samsvar med IEC 60947-1
Strøm per modul	<= 12 A
[U _{imp}] Nominell impuls ­ spenning	2.5 kV
Installation category	II i samsvar med IEC 60664-1
Tiltrekningsmoment	0.6 N.m (with flat Ø 3.5 mm)
Vekt	0.6 kg

Miljø

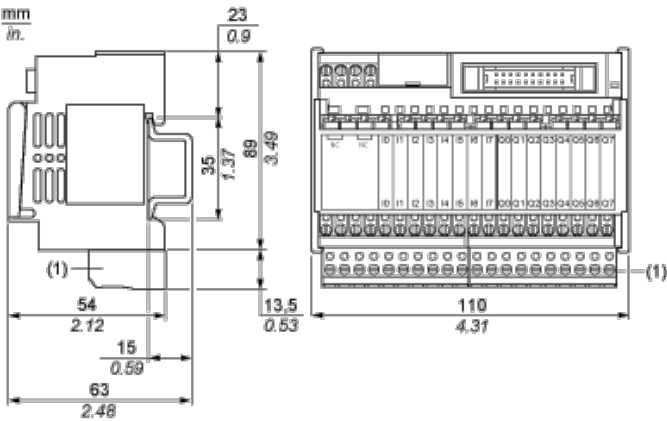
produktsertifikater	BV CSA DNV GL LROS (Lloyds register of shipping) UL
IP-grad	IP2x i samsvar med IEC 60529
glødetrådtest	750 °C, extinction time: <= 30 s i samsvar med IEC 60695-2-11
støtmotstand	15 gn for 11 ms i henhold til IEC 60068-2-27
Vibrasjonsmotstand	2 gn (f = 10...150 Hz) i samsvar med IEC 60068-2-6
motstand mot elektrostatisk utladning	4 kV (kontakt) i samsvar med IEC 61000-4-2 nivå 3

	8 kV (luft) i samsvar med IEC 61000-4-2 nivå 3
resistance to radiated fields	10 V/m (26000000...1000000000 Hz) i samsvar med IEC 61000-4-3 nivå 3
motstand mot raske transienter	2 kV i henhold til IEC 61000-4-4 nivå 3
omgivelsestemperatur for drift	-5...60 °C i samsvar med IEC 61131-2
omgivende lufttemperatur for oppbevaring	-40...80 °C i samsvar med IEC 61131-2
Forurensningsgrad	2 i samsvar med IEC 60664-1

Bærekraftig

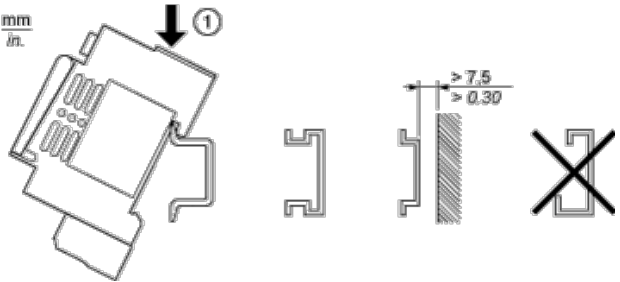
Bærekraftig	Green Premium produkt
RoHS (datkode: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Produktets miljøprofil	Tilgjengelig
Destruksjons-instruks	Tilgjengelig

Dimensions

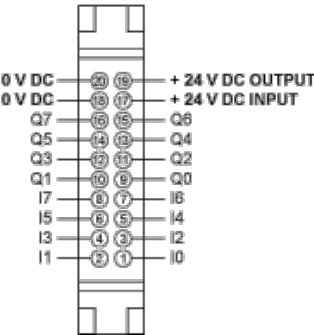


(1) ABE7BV10 / BV20

Mounting

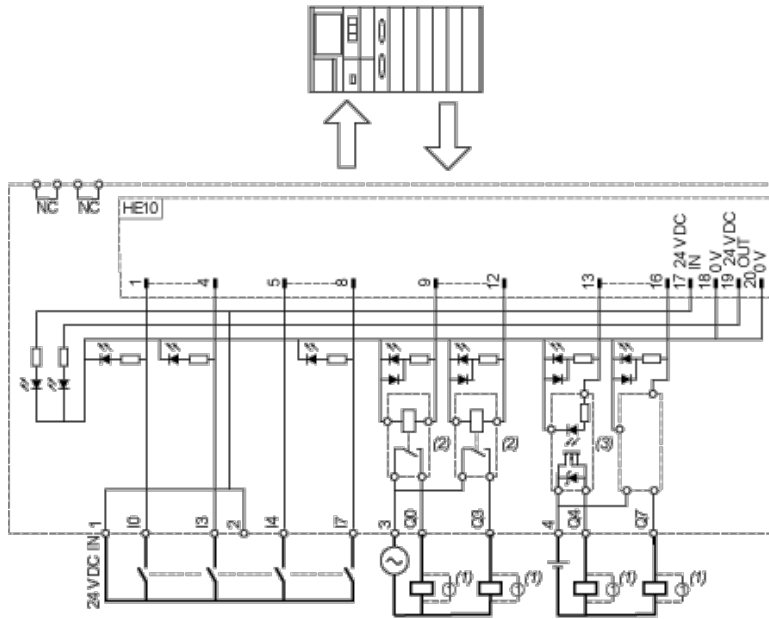


Wiring channels



Qx Outputs
Ix Inputs

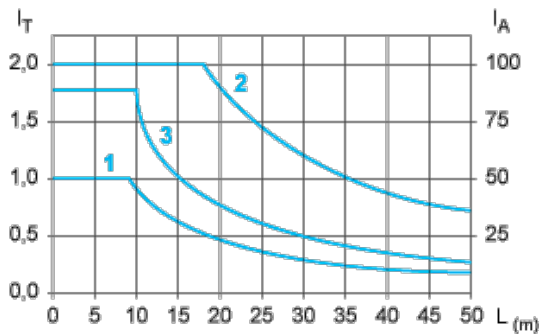
Wiring Diagram



- (1) Inductive load
- (2) ABR7S11 (1F) - N/O Ith = 6 A (supplied for ABE7R16M111 and not supplied for ABE7P16M111)
- (3) ABS7SC1B 24 VDC I_{max.} = 2 A (not supplied)

Curves for Determining Cable Type and Length According to the Current

16-channel Sub-base



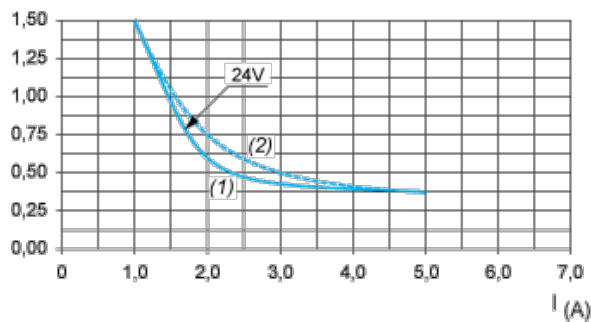
- L Cable length
- I_T Total current per sub base (A)
- I_A Average current per channel (mA)
- (1) TSXCDP**2 and ABFH20H**0 cables with c.s.a. 0.08 mm² (AWG 28).
- (2) TSXCDP**3 cables with c.s.a. 0.34 mm² (AWG 22).
- (3) Cables with c.s.a. 0.13 mm² (AWG 26).

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.

Electrical Durability (in Millions of Operating Cycles) Conforming to IEC 60947-5-1

DC Loads

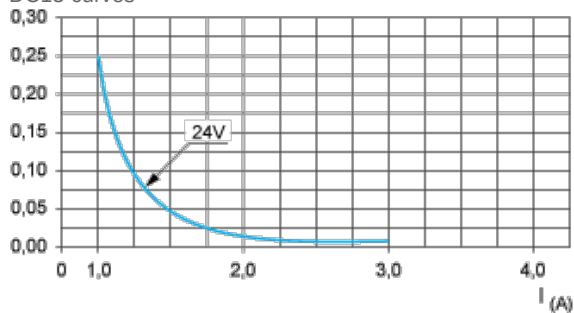
DC12 curves



DC12 control of resistive loads and of solid state loads isolated by optocoupler, $I/R \leq 1$ ms.

- (1) Resistive loads
- (2) Inductive loads

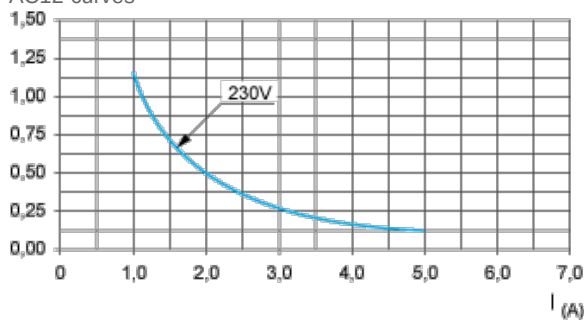
DC13 curves



DC13 switching electromagnets, $L/R \leq 2 \times (U_e \times I_e)$ in ms, U_e : rated operational voltage, I_e : rated operational current (with a protective diode on the load, DC12 curves must be used with a coefficient of 0.9 applied to the number in millions of operating cycles)

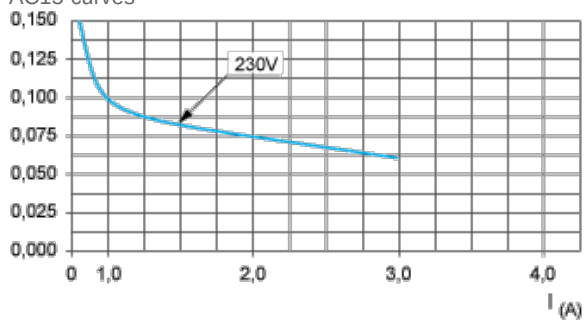
AC Loads

AC12 curves



AC12 control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \geq 0.9$.

AC15 curves



AC15 control of electromagnetic loads > 72 VA, make: $\cos \phi = 0.7$, break: $\cos \phi = 0.4$.