



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

Alternativer

Type spenningsforsyning	DC
Produktkompatibilitet	ABR7S23
Kontakttype og sammensetning	1 C/O
Status LED	1 LED per channel, grønn for channel status 1 LED, grønn for POWER ON
Polarity distribution	Polarity distribution contact common per group of 8 channels
Kortslutningsvern	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)
Festemetode	Med klips på 35 mm symmetrical DIN rail By screws på solid plate with fixing kit
Matespenning	≤ 1 A
Spenningsfall på strømforsyningen sikring	0.3 V
[Ui] isolasjonsspenning	2000 V between terminals/mounting rails 300 V between coil circuit/contact circuits i samsvar med IEC 60947-1 300 V between coil circuit/contact circuits i samsvar med IEC 60947-1
[Uimp] 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	0.73 kg

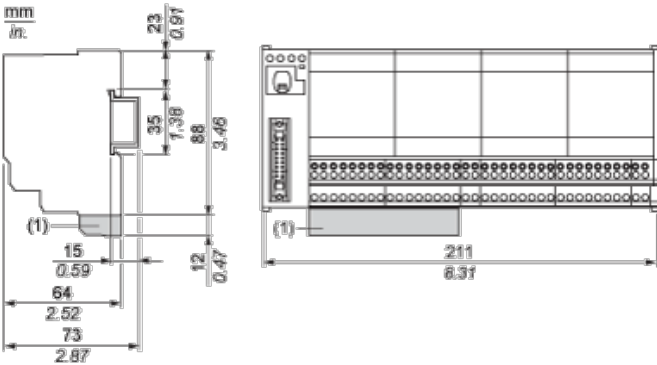
Miljø

produktsertifikater	BV CSA DNV GL LROS (Lloyds register of shipping) UL
IP-grad	IP2x i samsvar med IEC 60529
glødetrådtest	750 °C 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

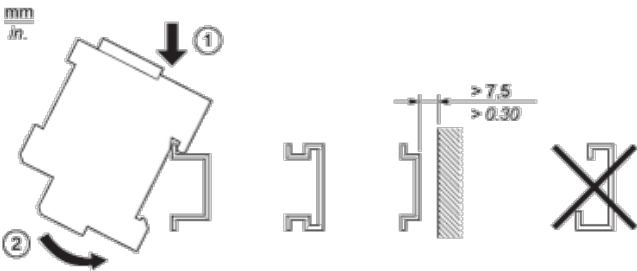
Bærekraftig	Green Premium produkt
RoHS (datokode: YYWW)	Compliant - since 0841 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Produktets miljøprofil	Tilgjengelig
Destruksjons-instruks	Tilgjengelig

Dimensions

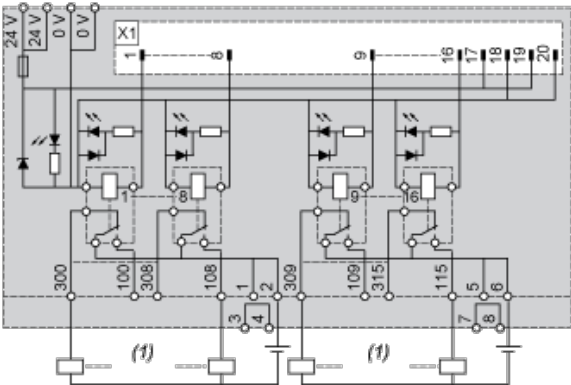


(1) ABE7BV10 / BV20, ABE7BV10E / BV20E

Mounting



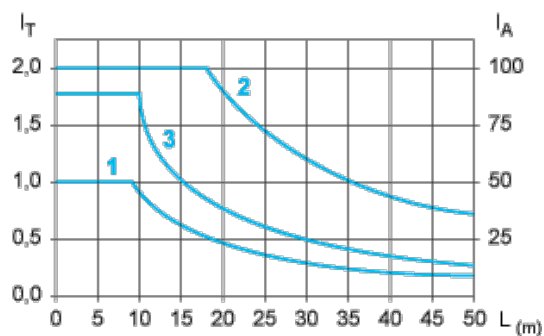
Wiring Diagram



(1) 8 channels

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).

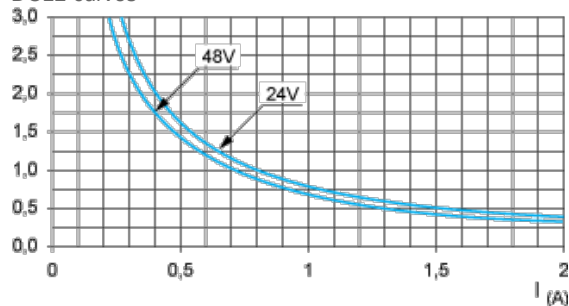
The curves are given for a voltage drop of 1 V in the cable. For n volts tolerance, multiply the length determined from the graph by n.

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

Multiply all durability values by 0.75 for ABR7S23.

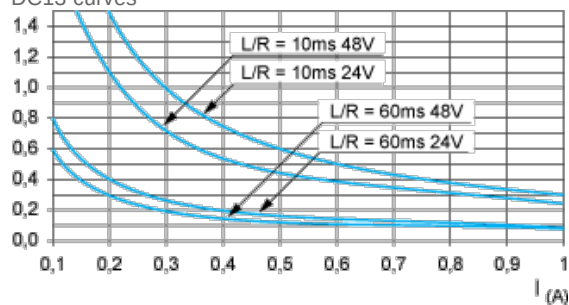
DC Loads

DC12 curves



DC12control of resistive loads and of solid state loads isolated by optocoupler, $I/R \leq 1$ ms.

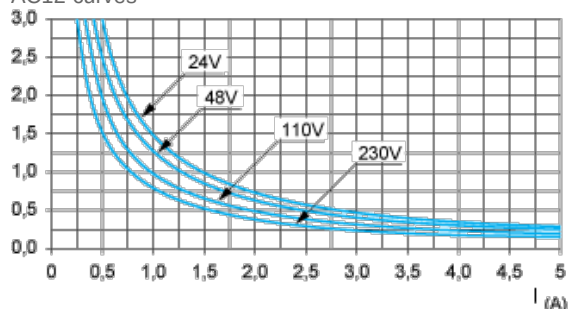
DC13 curves



DC13switching 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)

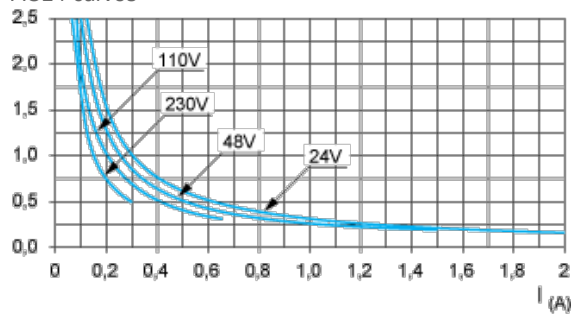
AC Loads

AC12 curves



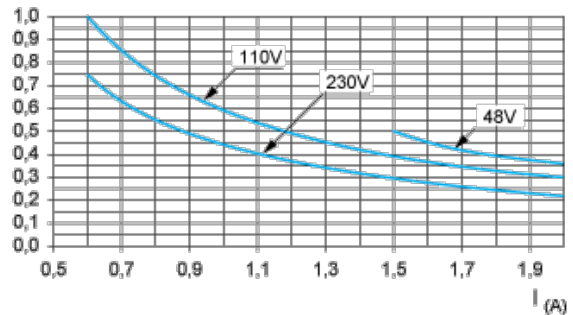
AC12control of resistive loads and of solid state loads isolated by optocoupler, $\cos \phi \geq 0.9$.

AC14 curves



AC14 control of small electromagnetic loads ≤ 72 VA, make: $\cos \phi = 0.3$, break: $\cos \phi = 0.3$.

AC15 curves



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