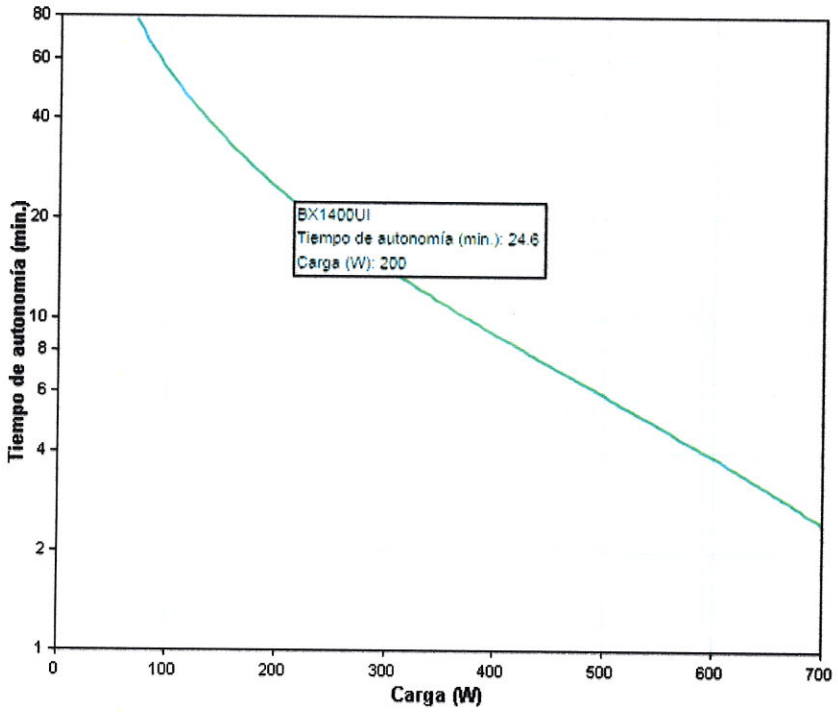
Gráfico de tiempo de ejecución

APC Back-UPS 1400VA, 230V, AVR, IEC Sockets (BX1400UI)



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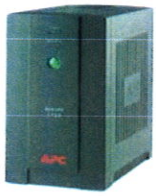
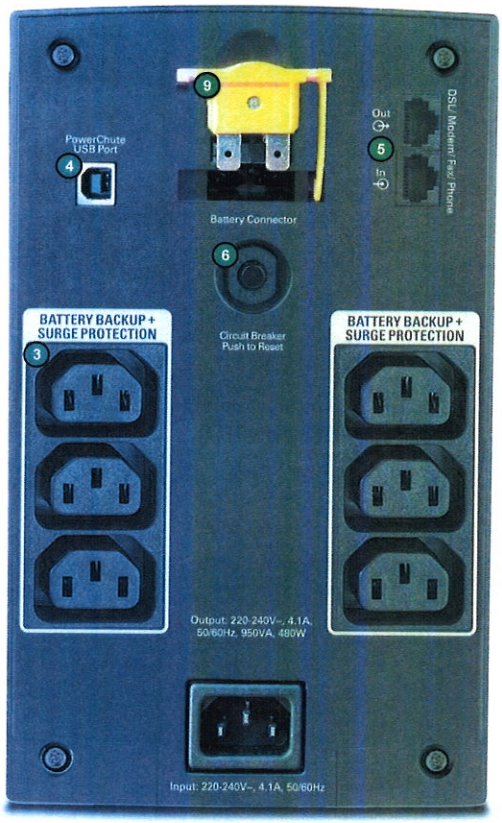


APC Back-UPS™ 950 / 1400

Part number: BX950UI, BX1400UI

Battery Backup Power and Surge Protection for Computers and Electronics

The Back-UPS 950 and 1400 from APC by Schneider Electric power your computer and electronic equipment during storms and outages. Both models feature Automatic Voltage Regulation (AVR). This feature instantly adjusts high and low voltage fluctuations to safe levels for connected electronics, saving battery power for when you need it most during storms and outages. Equipped with 6 IEC sockets, the 950/1400 keep your desktop computer, monitor or other critical devices (router, modem, television, etc.) running when the power goes out. Specifically designed for electronic equipment in harsh power environments, the Back-UPS 950 and 1400 maximize productivity and work efficiency while providing critical power during emergencies.



Product Features

1. **LED Indicator and Audible Alarms**
   Quickly understand the unit and power status through visual and audible indicators.

2. **Automatic Voltage Regulation (AVR)**
   "Double boost and single trim" AVR instantly corrects voltage fluctuations without using the battery, allowing you to work indefinitely through inconsistent power, saving battery life for outages.

3. **6 Battery Backup and Surge Protected Sockets**
   Keep critical electronic equipment running when the power goes out, so you can protect your work and save your data.

4. **USB Connectivity and PowerChute Software**
   Use your computer to access additional power protection and management features:
   - Preserves your work, shuts down system during outages
   - Restarts your system, minimizing work disruptions
   - Enables customization of your Back-UPS settings
   - Monitors and displays power and battery status

5. **Data Line Surge Protection**
   Guards against damaging surges and spikes traveling over an analog phone line.

6. **Push Button Circuit Breaker**
   Provides for easy recovery from circuit overloads and protects your fuse box and electronics from electrical damage.

7. **Automatic Diagnostic Testing**
   Periodic battery self-test ensures early detection of a battery that needs to be replaced, ensuring your unit is ready when you need it.

8. **2 Yr Warranty**
   APC offers a 2 year warranty with free technical phone and online support, providing customer peace of mind.

9. **Easy to use "one step" battery connector.**

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Back-UPS BX950/BX1400 Specifications

Model Number	BX950UI	BX1400UI
Output		
Output Capacity	950 VA / 480 Watts	1400 VA / 700 Watts
Output Voltage / Frequency (On utility)	230V, 50/60+/-1Hz	
Output Voltage / Frequency (On battery)	230 Vac +/- 8%, 50 or 60 Hz +/-1 Hz (auto-sensing)	
Output Connections	6 IEC 320 C13 sockets (all with battery backup and surge protection)	
Waveform Type	Stepped Approximation to Sine Wave	
Input		
Input Voltage / Frequency	150 – 280V, 50/60Hz +/-3Hz (default:50Hz)	
Input Connection	IEC-320 C14	
Surge Protection		
AC Power Surge Protection	All sockets	
Data Line Surge Protection	RJ-11 Modem/Fax protection	
Physical		
Unit Dimensions (H x W x D)	215 x 130 x 336 mm	
Unit Weight	8.0 Kg	12.0 Kg
Shipping Dimensions (H x W x D)	295 x 245 x 440 mm	
Shipping Weight	9.0 Kg	13.0 Kg
Color	Black	
UPC Code	731304316008	731304315957
Battery		
Battery Type	Maintenance-free, sealed lead-acid battery, leak proof	
Battery Size	12 volt, 9.0 Ah	12 volt, 7.2 Ah x 2
Management		
Alarms	Visual (LED) and audible alarms	
Adjustable Sensitivity and Transfer Voltage	Low, Medium (default), High	
Auto-Shutdown Software	PowerChute Personal Edition (Via USB interface. USB cable not included)	

APC ***by Schneider Electric***
132 Fairgrounds Rd
West Kingston, RI 02892

www.apc.com

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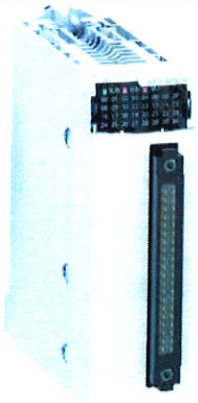
ANEXO 3C

Productdata sheet
Characteristics

BMXDDI3202K
discrete inputmodule M340 -32 inputs -24 V DC positive



Main

Range ofproduct	Modicon M340 automation platform
Productorcomponent type	Discrete inputmodule
Electricalconnection	40-way connector
Discrete inputnumber	32
Discrete inputtype	Isolated
Inputtype	Currentsink (logic positive)
Discrete inputvoltage	24 V DC positive
Discrete inputcurrent	2.5 mA
Inputcompatibility	With 2-wire/3-wire proximity sensors conforming to IEC 60947-5-2

Complementary

Sensorpowersupply	19...30 V
Voltage state 1 guaranteed	>= 11 V
Currentstate 1 guaranteed	>= 2 mA
Voltage state 0 guaranteed	<= 5 V
Currentstate 0 guaranteed	<= 1.5 mA
Inputimpedance	9600 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Powerdissipation in W	<= 3.9 W
DC typicalfiltering time	4 ms
DC maximum filtering time	7 ms
Parallelingofinputs	No
Typicalcurrentconsumption	140 mA 3.3 V DC
MTBF reliability	696320 H
Protection type	1 externalfuse pergroup ofchannel0.5 A fastblow Reverse polarity protection
Voltage detection threshold	> 18 V DC sensorOK < 14 V DC sensorfault
Status LED	1 LED redmodule I/O 1 LED redmodule error (ERR) 1 LED perchannelgreen channeldiagnostic 1 LED greenmodule operating (RUN)
Productweight	0.112 kg

Environment

IP degree ofprotection	IP20
Standards	CSA 22-2 No 142 IEC 1131-2 IEC 664 NF C 63-850 UL 508 UL 746C
Dielectric strength	500 V DC 1 minute, between group ofchannels 1500 V AC at50/60 Hz 1 minute, primary/secondary
Ambientairtemperature foroperation	0...60 °C
Relative humidity	10...95 % withoutcondensation
Protective treatment	TC

The information provided in this documentation contains generaldescriptions and/ortechnicalcharacteristics of the performance of the products contained herein.
This documentation is notintended as a substitute forand is notto be used fordetermining suitability or reliability of these products forspecific userapplications.
It is the duty of any such userorintegratorto perform the appropriate and complete risk analysis, evaluation and testing of the products with respectto the relevantspecific application oruse thereof.
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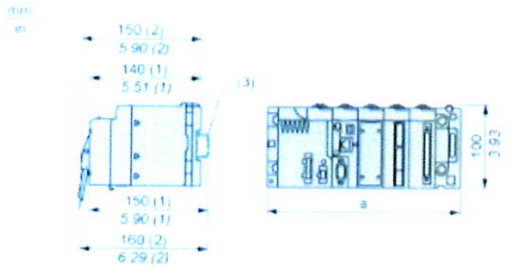
Modules Mounted on Racks

Dimensions



(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

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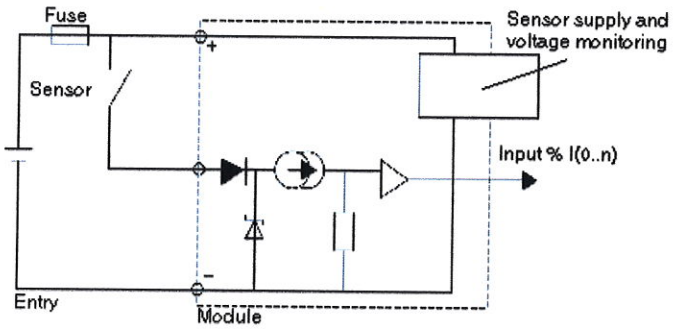
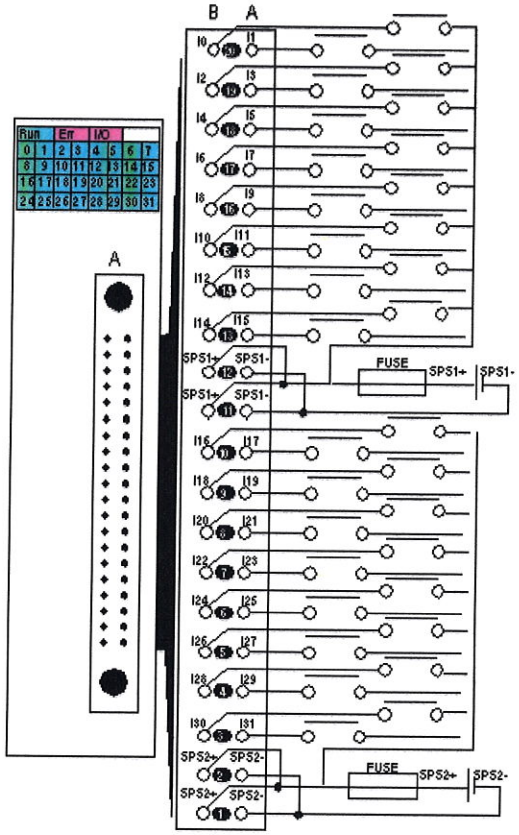
Connecting the Module

InputCircuitDiagram



Module Connection



power24VDC
supply
fuse fastblow fuse of0.5A foreach 16-channelgroup
SPS sensorpowersupply

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Surge protection device - LIT 2X2-24 - 2804623

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Surge protection in the one-piece 6.2 mm DIN rail module for two floating signal circuits in 2-wire technology. Tested according to the protection types in Ex areas Ex ia IIC / Ex ia D. HART-compatible.

Why buy this product

- Can be used in binary, analog, and intrinsically safe circuits
- Protection of up to four signal wires over a design width of 6.2 mm

Key Commercial Data

Packing unit	10 STK
GTIN	4 046356 428309
GTIN	4046356428309
Weight per Piece (excluding packing)	63.000 g
Custom tariff number	85363000
Country of origin	Germany
Sales Key	CL2211

Technical data

Dimensions

Height	93.1 mm
Width	6.2 mm
Depth	102.5 mm (incl. DIN rail 7.5 mm)

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20

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Surge protection device - PLT 2X2-24 - 2804623

Technical data

General

Housing material	PBT
Flammability rating according to UL 94	V-0
Color	anthracite grey RAL 7016
Mounting type	DIN rail: 35 mm
Type	DIN rail module, one-piece
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U_N	24 V DC
Maximum continuous voltage U_C	36 V DC
	25 V AC
Rated current	350 mA (40 °C)
Operating effective current I_L at U_C	≤ 2 µA
Residual current I_{PE}	≤ 4 µA
Nominal discharge current I_n (8/20) µs (Core-Core)	5 kA
Nominal discharge current I_n (8/20) µs (core-earth)	5 kA
Pulse discharge current I_{imp} (10/350) µs (core-ground)	500 A
	2 kA (in total)
Total discharge current I_{total} (8/20) µs	20 kA
Max. discharge current I_{max} (8/20) µs maximum (Core-Core)	10 kA
Max. discharge current I_{max} (8/20) µs maximum (Core-Earth)	10 kA
	20 kA (in total)
Nominal pulse current Ian (10/1000) µs (Core-Core)	50 A
Nominal pulse current Ian (10/1000) µs (Core-Earth)	50 A
	200 A (in total)
Output voltage limitation at 1 kV/µs (core-core) spike	≤ 60 V
Output voltage limitation at 1 kV/µs (core-earth) spike	≤ 650 V
Residual voltage at I_n (conductor-conductor)	≤ 70 V
Residual voltage with Ian (10/1000) µs (conductor-conductor)	≤ 50 V
Voltage protection level U_p (core-core)	≤ 70 V (C2 - 10 kV / 5 kA)
	≤ 50 V (C3 - 10 A)
	≤ 55 V (C3 - 50 A)
	≤ 80 V (D1 - 500 A)
Voltage protection level U_p (core-ground)	≤ 650 V (C1 - 500 V / 250 A)
	≤ 700 V (C2 - 10 kV / 5 kA)
	≤ 650 V (C3 - 10 A)

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Surge protection device - PLT 2X2-24 - 2804623

Technical data

Protective circuit

	≤ 700 V (C3 - 50 A)
	≤ 700 V (D1 - 500 A)
Response time tA (core-core)	≤ 1 ns
Response time tA (core-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.7 dB (1 MHz / 50 Ω)
	typ. 0.3 dB (350 kHz / 150 Ω)
Cut-off frequency fg (3 dB), sym. in 50 Ohm system	typ. 6 MHz
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 2 MHz
Capacity	≤ 1.3 nF (per channel)
Resistance in series	3.3 Ω ±20 %
Surge protection fault message	none
Max. required back-up fuse	315 mA (T)
Impulse durability (conductor-conductor)	C2 - 10 kV/5 kA
	C3 - 50 A
	D1 - 500 A
Impulse durability (conductor-ground)	C1 - 500 V / 250 A
	C2 - 10 kV/5 kA
	C3 - 50 A
	D1 - 500 A
Alternating current carrying capacity (conductor-ground)	5 A - 1 s

Connection data

Connection method	Screw connection
Screw thread	M 3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 14

Connection, equipotential bonding

Connection method	DIN rail NS 35

Standards and Regulations

Standards/specifications	EN 61643-21 A2:2013
	EN 60079-0 2012
	EN 60079-11 2012
	EN 60079-26 2007
	IEC 60079-0 2011
	IEC 60079-11 2011
	IEC 60079-26 2006

Environmental Product Compliance

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Surge protection device - PLT 2X2-24 - 2804623

Technical data

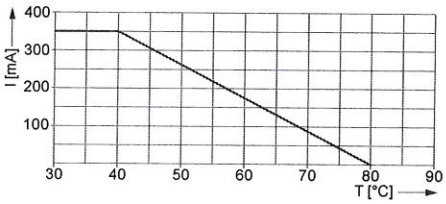
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

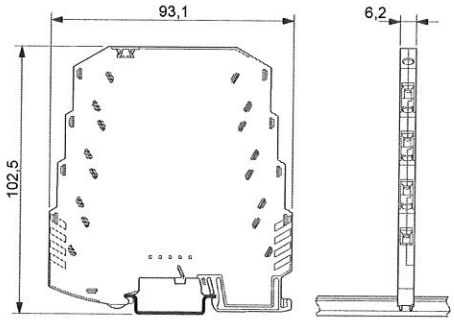
Drawings

Pictogram

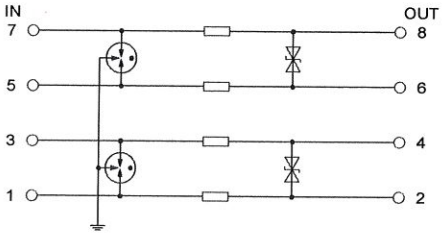
Diagram



Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

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Surge protection device - TT 2X2-24 - 2804623

Classifications

ETIM

ETIM 6.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

UL Listed / EAC / EAC / DNV GL

Ex Approvals

IECEx / ATEX

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 138168
EAC			EAC-Zulassung
EAC			RU C-DE.A*30.B.01561
DNV GL		http://exchange.dnv.com/tari/	TAE00001N8

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Surge protection device - LIT 4X1-24 - 2804649

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Surge protection in one-piece 6.2 mm wide DIN rail module for four conductors with common reference potential.

Why buy this product

- Can be used in binary, analog, and intrinsically safe circuits
- Protection of up to four signal wires over a design width of 6.2 mm

Key Commercial Data

Packing unit	10 STK
GTIN	4 046356 428286
GTIN	4046356428286
Weight per Piece (excluding packing)	63.740 g
Country of origin	Germany
Sales Key	CL2211

Technical data

Dimensions

Height	93.1 mm
Width	6.2 mm
Depth	102.5 mm (incl. DIN rail 7.5 mm)

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20

General

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