

XBHP0210/2

3

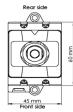
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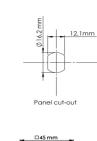
Data Sheet XBHP0210/2

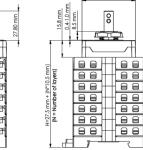


Ø8

Technical data

Rated operational voltage

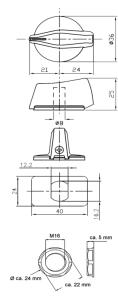




Symbol

Ue

Ratings:



1000

800



Unit

V dc

500

			Terminals !	Scheme	3				
Layer	Fron	t Side	le Symbol Rear S		Side	F	osit	tion	s
No.	Left	Right	Symbol	Left	Right	1	2	3	4
7									
6									
5									
4									
3	-1			· -1		Т			(
2		+1			+1	Т			(
1			Empty						

I = Contact is closed, O = Contact is open

Mounting instructions

In the application all ratings according to the datasheet have to be respected. After mounting, the wiring must be checked and the switch must operate smoothly. When building the switch in an enclosure, the space envelope must be respected according to the applicable standards.

Maintenance

The X type switches are designed for a very long life but it is advised to do some simple yearly maintenance. - Check the installation for signs of overload or overheating. The terminals may not exceed the limit of 85°C under full load. - By operating the switch a few times (5x) the contacts will clean themselves and the switch will have a longer life.

Connection

The terminals, can take copper wires up to 6 mm². The recommended Spade Tongue Terminals may have a maximum width of 9 mm (see table for recommendations)

*1 16mm ² only with fine stranded wire (or two times 6mm ²)
*2 Optional: A yellow finger safe sleeve for the Spade
Tongue Terminal (Santon 52A1256.35) can be ordered under
item number 52A1564.00

Rated operational current le	20	30	45	A dc
Required fine wire cross-section (minimal)*:	4,0	6,0	10,0	mm²
*IEC60947-1, table 9				
Number of DC poles			2	
Utilization category DC			DC-21B	
Pollution degree			2	
IP rating terminals			IP20	
Tightening torque terminal screws M4 (min max.)		1,5	- 1,7	Nm
Method of mounting				
IP rating of the shaft in case of single hole mounting			IP65	
Positions	12 (OFF) and 3 o'clock (ON)			
Actuator	Standard A knob with long se	crew to	o fix in shaft	
Method of operation	Independent manual operat	ion		
Actuator operation force (max.)			1,4	Nm
Tightening torque M3 screw in the actuator (min max.)		0,5	- 0,7	Nm
Rated impulse withstand voltage	Uimp		8	kV
Insulation voltage	Ui		1000	V
Rated thermal current uninterrupted duty	lu		45	A
Rated short-time withstand current (1s)	Icw		700	A
Rated short-circuit making capacity	Icm		1,4	kA
Rated conditional short-circuit current	Isc		5	kA
Minimum required dimensions of enclosures L x W x D* {space env	relope}	124	x 47 x 50	mm
* see the drawing for the height of the switch. The number of layer	rs N is:		2	
Weight			ca. 149	g
Allowed ambient temperature (min max.)	Tambient		-40 - 70	°C
Allowed storage temperature (min max.)	T _{storage}		-40 - 85	°C
Relative humidity (max.), without condensation at 20°C	RH		90	%

П

Recommend Manufacturer	Type number	Wire size (AWG)	Wire size (mm ²)	Color
JST	FVD2-YS4A	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
TE connectivity	C-165012	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
Vogt	3635c	AWG 16 – AWG 14	1,5 – 2,5 mm²	Blue
TE connectivity	C-165015	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Vogt	3652c / 3653c	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Santon (JST)	52A1256.35	AWG 8 - AWG 10	10,5mm²-16mm² *1	*2

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note: subject to change without any notice, JDA pay no responsibility



XBHP0410/2

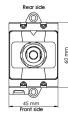
3

0

2

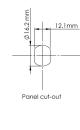
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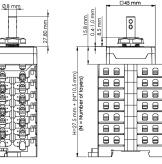
Data Sheet XBHP0410/2



Technical data

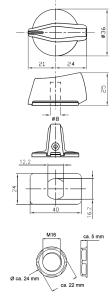
Rated operational voltage





Symbol Ratings:

Ue



1000

800



			Terminals !	Scheme	2				
Layer	r Front Side		Symbol	Real	Rear Side		Positions		
No.	Left	Right	Symbol	Left	Right	1	2	3	4
7									
6									
5	+2			+2		Т			0
4		-2			-2	Т			0
3	-1			· -1		Т			0
2		+1			+1	Т			0
1			Empty						

(I = Contact is closed, O = Contact is open)

Mounting instructions

In the application all ratings according to the datasheet have to be respected. After mounting, the wiring must be checked and the switch must operate smoothly. When building the switch in an enclosure, the space envelope must be respected according to the applicable standards.

Maintenance

Unit

V dc

500

The X type switches are designed for a very long life but it is advised to do some simple yearly maintenance. - Check the installation for signs of overload or overheating. The terminals may not exceed the limit of 85°C under full load. - By operating the switch a few times (5x) the contacts will clean themselves and the switch will have a longer life.

Connection

The terminals, can take copper wires up to 6 mm². The recommended Spade Tongue Terminals may have a maximum width of 9 mm (see table for recommendations)

*1 16mm² only with fine stranded wire (or two times 6mm²) *² Optional: A yellow finger safe sleeve for the Spade Tongue Terminal (Santon 52A1256.35) can be ordered under item number 52A1564.00

1 0				
Rated operational current le	20	30	45	A dc
Required fine wire cross-section (minimal)*:	4,0	6,0	10,0	mm²
*IEC60947-1, table 9				
Number of DC poles			4	
Utilization category DC			DC-21B	
Pollution degree			2	
IP rating terminals			IP20	
Tightening torque terminal screws M4 (min max.)		1,5	- 1,7	Nm
Method of mounting				
IP rating of the shaft in case of single hole mounting			IP65	
Positions	12 (OFF) and 3 o'clock (ON)			
Actuator	Standard A knob with long so	crew to	o fix in shaft	
Method of operation	Independent manual operation	ion		
Actuator operation force (max.)			1,4	Nm
Tightening torque M3 screw in the actuator (min max.)		0,5	- 0,4	Nm
Rated impulse withstand voltage	Uimp		8	kV
Insulation voltage	Ui		1000	V
Rated thermal current uninterrupted duty	lu		45	А
Rated short-time withstand current (1s)	Icw		700	А
Rated short-circuit making capacity	Icm		1,4	kA
Rated conditional short-circuit current	Isc		5	kA
Minimum required dimensions of enclosures L x W x D* {space enve	elope}	124	x 47 x 71	mm
* see the drawing for the height of the switch. The number of layers	s N is:		2	
Weight			ca. 211	g
Allowed ambient temperature (min max.)	Tambient		-40 - 70	°C
Allowed storage temperature (min max.)	T _{storage}		-40 - 85	°C
Relative humidity (max.), without condensation at 20°C	RH		90	%

Recommend Manufacturer	Type number	Wire size (AWG)	Wire size (mm ²)	Color
JST	FVD2-YS4A	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
TE connectivity	C-165012	AWG 16 – AWG 14	1,0 – 2,5 mm²	Blue
Vogt	3635c	AWG 16 – AWG 14	1,5 – 2,5 mm²	Blue
TE connectivity	C-165015	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Vogt	3652c / 3653c	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
Santon (JST)	52A1256.35	AWG 8 - AWG 10	10,5mm²-16mm² *1	*2

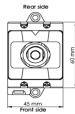
02

note: subject to change without any notice, JDA pay no responsibility



XBHP0610/2

Data Sheet XBHP0610/2



Ø8 mm

Technical data

Rated operational voltage

Rated operational current

*IEC60947-1 table 9 Number of DC poles

Utilization category DC

Pollution degree

Positions

Actuator Method of operation

Weight

IP rating terminals

Insulation voltage

Method of mounting

Actuator operation force (max.)

Rated impulse withstand voltage

Rated thermal current uninterrupted duty

Rated short-time withstand current (1s)

Rated conditional short-circuit current

Allowed ambient temperature (min. - max.)

Allowed storage temperature (min. - max.)

Relative humidity (max.), without condensation at 20°C

Rated short-circuit making capacity

Required fine wire cross-section (minimal)*

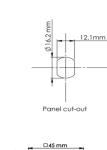
Tightening torque terminal screws M4 (min. - max.)

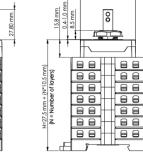
IP rating of the shaft in case of single hole mounting

Tightening torque M3 screw in the actuator (min. - max.)

Minimum required dimensions of enclosures L x W x D* {space envelope}

* see the drawing for the height of the switch. The number of layers N is:

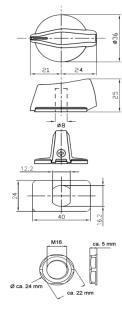




Symbol Ratings:

Ue

le



1000

20

4,0

Standard A knob with long screw to fix in shaft

12 (OFF) and 3 o'clock (ON)

Uimp

Ui

lu

Icw

Icm

Isc

Tambient

T_{storage}

RH

Independent manual operation

800

30

6,0

1.5 -1,7

0,5



	_	4	_	
1	\square	0	٦	
3			Т	1
			J	
	_	2		

	Terminals Scheme								
Layer	Fron	t Side	Symbol	Rear	Side	F	osi	tion	s
No.	Left	Right	Symbol	Left	Right	1	2	3	4
7	-3			-3		Т			0
6		+3			+3	Т			0
5	+2			+2		Т			0
4		-2			-2	Т			0
3	-1			· -1		Т			0
2		+1			+1	Т			0
1			Empty						

(I = Contact is closed, O = Contact is open)

Mounting instructions

In the application all ratings according to the datasheet have to be respected. After mounting, the wiring must be checked and the switch must operate smoothly. When building the switch in an enclosure, the space envelope must be respected according to the applicable standards.

Maintenance

Unit

V dc

mm²

Nm

Nm

Nm

kV 8

V

kΑ

mm

g

°C

°C

500

45 A dc

6

2

IP20

IP65

1,4

0,7

1000

45 А

700 А

1,4

124 x 47 x 92

5 kΑ

6

ca. 274

-40 - 70

40 - 85

90 %

10,0

DC-21B

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Vogt	3652c / 3653c	AWG 12 - AWG 10	3,0 - 6,0 mm²	Yellow
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03