

Product datasheet

Specifications



ill. ring with e. stop d40 ttr control
box 24V 2 colors white/red fixed
1NO 2NC

XALK178W3B140G

EAN Code: 3606489745721

Main

Range of product	Harmony XALK
Product or component type	Complete control station
Device short name	XALK
Product destination	For XB5 Ø 22 mm control and signalling units
Control station application	Emergency switching off function Emergency stop function
Colour of base of enclosure	Light grey (RAL 7035)
Colour of cover	Yellow (RAL 1021)
Material	Polycarbonate
Operator profile	1 mushroom head push-button
Operators description	Red unmarked 1 NO + 2 NC
Reset	Turn to release
Control station composition	1 mushroom head Ø 40 mm push-button, red 1 NO + 2 NC
Contact operation	Slow-break
[Us] rated supply voltage	24 V AC/DC

Complementary

AC control voltage 50 HZ	24 V
Cable entry	1 knock-out for cable entry 0...14 mm 2 knock-outs for Pg 13 cable gland and ISO M20 0...12 mm
AC control voltage 60 HZ	24 V
Net weight	0.180 kg
DC control voltage	24 V
Electrical insulation class	Class II conforming to IEC 61140
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Number of command positions	1
Number of indicator lights	0
Number of push buttons	0
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)
Operating force	44 N

Number of selector switches	0
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1
Number of key switches	0
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1
[I_{th}] conventional free air thermal current	10 A conforming to IEC 60947-5-1
Number of mushroom-shaped push-buttons	1
[U_i] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
Resistance to electrostatic discharge	4 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts)
[U_{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
[I_e] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate $< 3600 \text{ cyc/h}$, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate $< 3600 \text{ cyc/h}$, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate $< 3600 \text{ cyc/h}$, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate $< 3600 \text{ cyc/h}$, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate $< 3600 \text{ cyc/h}$, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA conforming to IEC 60947-5-4
Number of contacts as normally closed contact	0
Number of contacts as normally open contact	0
Number of contacts as change-over contact	0
colour of cover	Yellow

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C

IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to ISO 20653 Type 13 conforming to UL 50E Type 12 conforming to UL 50E Type 4 conforming to UL 50E Type 4X conforming to UL 50E
IK degree of protection	IK05 conforming to IEC 62262
Standards	CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-5-4 UL 508 IEC 60947-1 JIS C 4520
Product certifications	UL listed CSA
Vibration resistance	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 25 mm peak to peak (f= 2...10 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.600 cm
Package 1 Width	7.000 cm
Package 1 Length	7.000 cm
Package 1 Weight	197.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	40
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.312 kg

Logistical informations

Country of origin	CZ
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Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 2

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 6b64d229-f954-4ab6-8e15-fee7e09c36cb

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

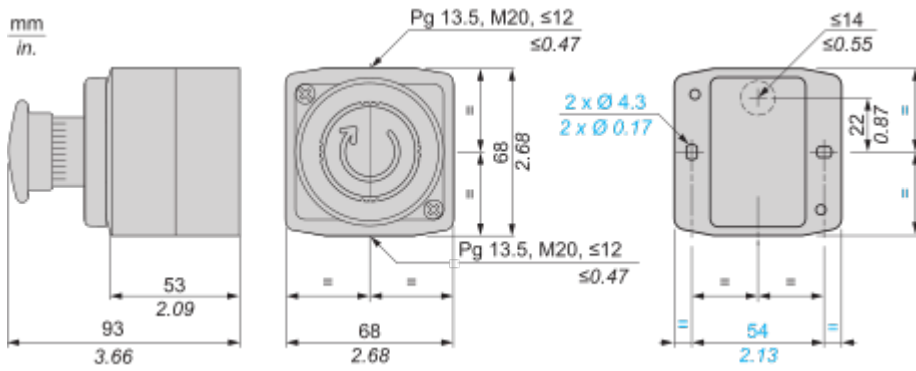
End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

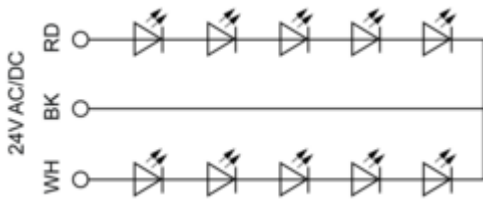
Dimensions Drawings

Dimensions



Connections and Schema

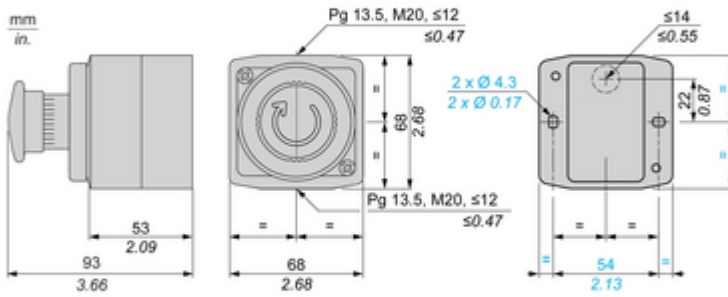
Wiring Diagram



RD : Red
BK : Black
WH : White

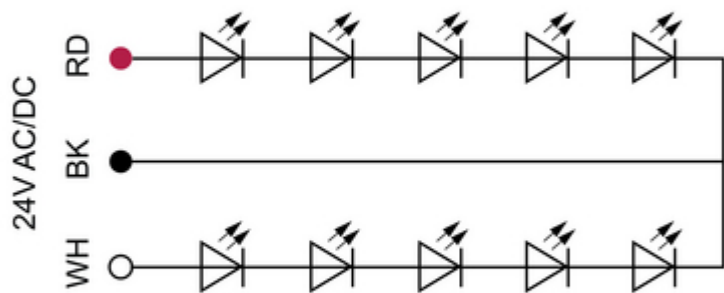
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features

Features Harmony XALK



Complete stations for emergency stop function with a single mushroom head non-illuminated or illuminated function from XB5 range

Possibility to add up to 3 NO or NC contact blocks per operating head

Complete, ready-to-install stations with 1 to 3 buttons for the most common functions

Polycarbonate pre-drilled control stations

Modular system and simple to cable universal range

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XALK

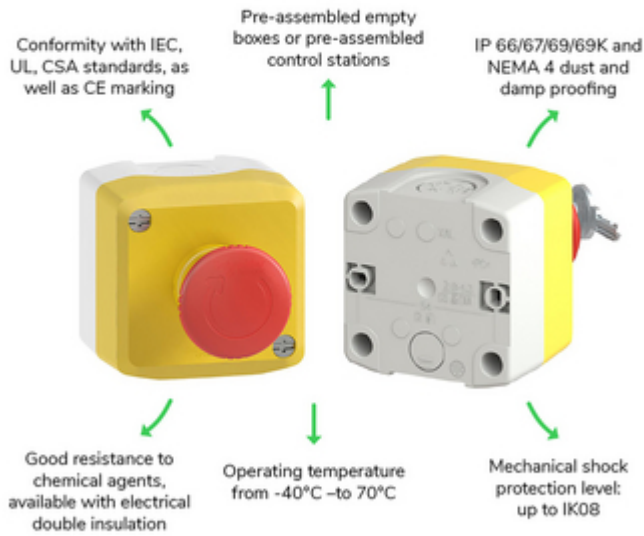


Image of product / Alternate images

Alternative

