Product data sheet
XAPK178G93H29

Characteristics

Metal Emergency Stop Station - 1 red Mushroom head
Pushbutton Ø40 turn to release 1NO + 2NC contact blocks

Main

Range of Product	Harmony XAP
Product or component type	Die Cast complete control station
Device short name	XAPK
Product destination	For XB4 Ø22 mm control and signalling unit
Control station application	Emergency stop function
Colour of base of enclosure	Blue
Colour of cover	Yellow
Material	Zinc Alloy
Operator profile	Red mushroom head Ø 40 mm pushbutton
Operators description	Emergency Stop Trigger action, 1NO + 2NC
Reset	Turn to release
Control station composition	1 red Emergency Stop pushbutton - 1No + 2 NC with "EMERGENCY STOP" marking
Contacts operation	Slow-break

Complementary

Cable entry	2 knock-outs for ISO M20 cable-gland
Product weight	0.645 Kg
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating travel	1.5 mm NO and NC changing electrical state 4.3 mm total travel
Operating force	44 N
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminals <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8...1.2 N.m conforming to EN/IEC 60947-1
Shape of screw head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
Contacts material	Silver alloy (Ag/Ni)
Short circuit protection	10 A cartridge fuse, gG conforming to EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V, degree of pollution: 3 conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	3 A at 240 V AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V AC-15, A600 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 cycles AC-15 at 2 A 230 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 at 3 A 120 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 at 4 A 24 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 at 0.2 A 110 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 at 0.5 A 24 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical reliability IEC 60947-5-4	λ < 10exp(-6) at 5 V and 1 mA conforming to EN/IEC 60947-5-4 λ < 10exp(-8) at 17 V and 5 mA conforming to EN/IEC 60947-5-4

Environment

Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class I conforming to IEC 60536
IP degree of protection	IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 13
IK degree of protection	IK03 conforming to EN 50102
Standards	EN/IEC 60204-1 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 EN/ISO 13850
Vibration resistance	5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (18 ms half sine wave acceleration) conforming to IEC 60068-2-27 50 gn (11 ms half sine wave acceleration) conforming to IEC 60068-2-27