SPECIFICATION

No. ISA3705C
Date. August.8, 2023
Approved by M.Fujimoto
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XN SERIES EMERGENCY STOP
PUSHBUTTON SWITCH
TYPE XN4E－BL4□■ △RH (Non Illuminated Push ON)

Contact arrangement — Terminal style

1. Applicable standard

JIS C 8201-5-1, JIS C 8201-5-5
IEC60947-5-1, EN60947-5-1
IEC60947-5-5
EN60947-5-5 (TUV Approval)
UL508, UL60947-5-5 (UL Listing)
UL991, NFPA79
CSA C22.2 No.14, IEC60947-5-5 (c-UL Listing)
GB/T14048.5(CCC Certified)

2. Operating conditions

(1) Ambient temperature -25 to +60℃ (no freezing)
(2) Relative humidity 45 to 85% (no condensation)
(3) Storage temperature -45 to +80℃ (no freezing)
(4) Pollution degree 3

3. Contact ratings

(1) Rated insulation voltage 250V
(2) Thermal current 5A
(3) Rated operating voltage and rated operating current

Main contact (NC contact), Monitor contact (NO contact)

Rated operating voltage (Ue)				30V	125V	250V
Rated operating current (Ie)	Main contact	A	Resistive load (AC12)	-	5A	3A
		C	Inductive load (AC15)	-	3A	1.5A
		D	Resistive load (DC12)	2A	0.4A	0.2A
		C	Inductive load (DC13)	1A	0.22A	0.1A
	Monitor contact	A	Resistive load (AC12)	-	1.2A	0.6A
		C	Inductive load (AC14)	-	0.6A	0.3A
		D	Resistive load (DC12)	2A	0.4A	0.2A
		C	Inductive load (DC13)	1A	0.22A	0.1A

・The operating current is classified according to the JIS C 8201-5-1 making and breaking current capacities.

(4) Minimum applicable load (reference value) 5V AC/DC, 1mA (Subject to operating conditions and load types.)

4. Constructions

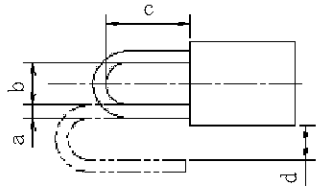
(1) Outside view See attached sheet
(2) Operation type Push lock turn reset with lockout
(3) Degree of protection Operater:IP65 (IEC60529)
Terminal:IP20(When XW9Z-VL2MF is installed)
(4) Contact arrangement－ (□■) 1b(01),2b(02),3b(03),4b(04), 1a-1b(11),1a-2b(12),1a-3b(13),2a-2b(22)
(□: monitor contact ■: main contact)
(5) Button style and color Mushroom (ϕ 44 button), Bright red
(6) Terminal style－ (△) M3 screw terminal/IP20type (MF),
M3 screw terminal/with terminal cover type (M)

(7) Connectable cable 0.75 to 1.25mm² maximum (AWG 18 to 16)
(8) Panel thickness 1 to 6mm
(9) Panel cut-out $\phi 30.5^{+0.5}$mm
(10) Locking ring torque tightening 2.5 N・m
(11) Weight (Approx.) 120g

5. Characteristics

(1) Contact resistance 50mΩmaximum (initial value)
(2) Operation force Push lock: 32N, Turn reset:0.4N・m
(3) Minimum force required for direct opening action 80N
(4) Minimum operator stroke required for direct opening action 4.0mm
(5) Maximum operator stroke 4.5mm
(6) Insulation resistance 100MΩmimimum (measured with a 500V DC megger)
(7) Impulse withstand voltage 2.5kV (illumination department:0.8kV)
(8) Over voltage category Ⅱ
(9) Vibration resistance
(a) Operating extremes Frequency 10 to 500Hz, Amplitude 0.35mm Acceleration 50m/s²
(b) Damage limits Frequency 10 to 500Hz, Amplitude 0.35mm Acceleration 50m/s²
(10) Shock resistance
(a) Operating extremes 150 m/s²
(b) Damage limits 1000 m/s²
(11) Short-circuit protective device 10A, 250V fuse (Type aM IEC60269-1/IEC60269-2)
(12) Conditional short-circuit current 1000A
(13) Padlock and Hasp for weight and size
(a) Padlock size

a	7mm maximum
b	19mm minimum
c	39mm minimum
d note1	15mm minimum



Note 1) Dimension d is 6mm or more when attaching a padlock from the side of a switch.

(b) Recommended Hasp

Manufacture	Type
Shinwa Co,Ltd	SHH002
PANDUIT corp.	PSL-HD3 PSL-1A
Master Lock	420,421

(c) The total weight of the padlock and hasp 1500g maximum

6. Life

(1) Mechanical life (without load) 250000 operation minimum
(Operating frequency: 900 operations/hour maximum)
(2) Electrical life (rated load)
(a) Rated load 100000 operation minimum
(Operating frequency: 900 operations/hour maximum)
(b) When the load is 24V・100mA AC/DC 250000 operation minimum
(Operating frequency: 900 operations/hour maximum)