

1427

1427

Characteristics	■ single pole
	■ faston
	■ snap-in mounting or center-fixing
Rating	250 VAC, 0.2 [0.2] A
	1E5
	250 VAC, 0.25 A
Dimensions (mm)	various
Actuator	■ plunger
Approvals	ENEC, cUL



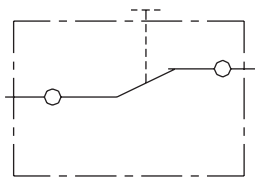
Preferred range switches

Ordering Reference	Illumination	Terminals	Mounting	Function	Actuator color	Length of plunger
1427-839.02 1551	without	tab	Snap-in	NC	White	17,5 mm

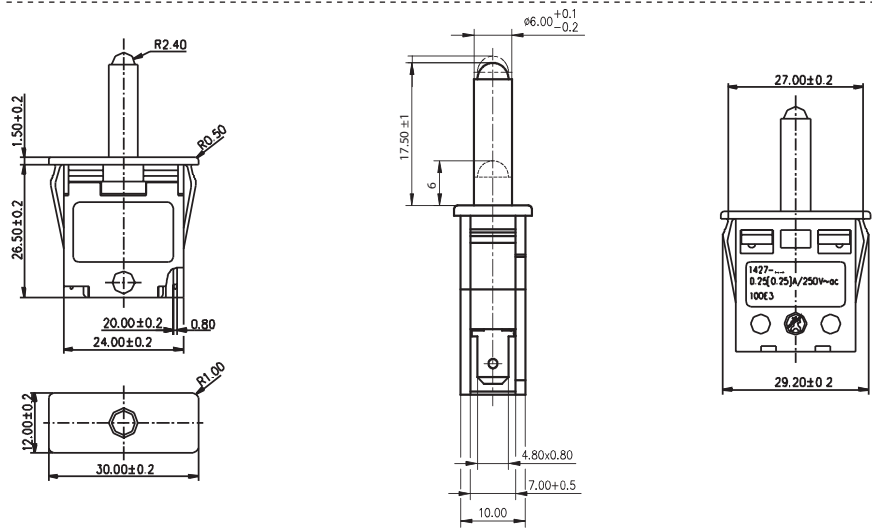
Specifications

Base / cover	PA
Plunger	PBPT
Mechanism	Single pole
Functions	Momentary normally closed
Contacts	Ag
Protection	IP 00
Mounting	Customised mounting
Tracking Resistance	PTI 250
Glow-wire	850°C

Circuit diagram circuit diagram

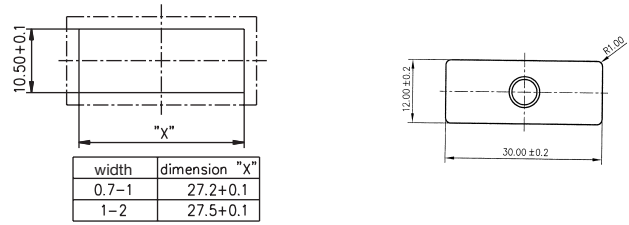


Dimensions



Operating Characteristics

1427 250 VAC, 0.2 [0.2] A
100.000 cycles T55



width	dimension "X"
0.7-1	27.2+0.1
1-2	27.5+0.1

Standard Range

Ordering Reference	Illumination	Terminals	Mounting	Function	Actuator color	Length of plunger
1427-022.02 1511	Without	tab	Center-fixing	NC	White	17.0 mm
1427-132.02 1551	Without	tab	Snap-in	NC	Black	12.2 mm

1430

- Characteristics
- single pole
 - faston
 - snap-in mounting

Rating 250 VAC, 0,2 [0,2] A
5E4

Dimensions (mm) various

Actuator ■ lever

Approvals ENEC



Preferred range switches

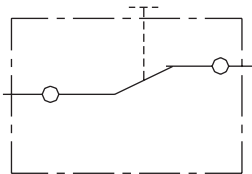
Preferred	Illumination	Terminals		Mounting	Function	Lever color
1430-045.02 1551	Without	tab	4,8 mm	Snap-in	NC	White

Specifications

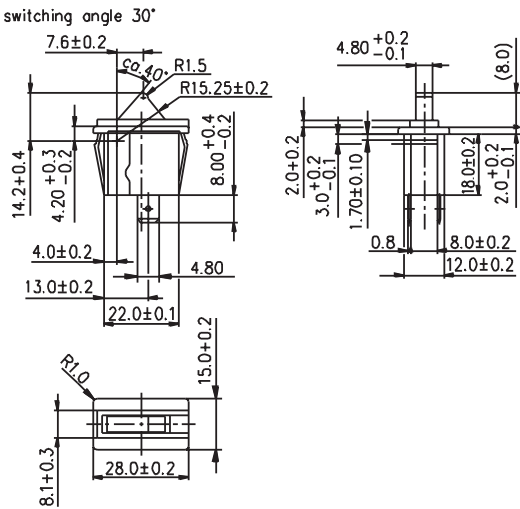
Base / cover	PA
Plunger	PBPT
Mechanism	Single pole
Functions	Momentary normally closed
Contacts	Ag
Protection	IP 00
Mounting	Customised mounting
Tracking Resistance	PTI 250
Glow-wire	850°C

Circuit diagram

circuit diagram

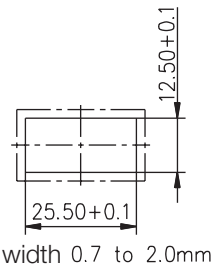


Dimensions

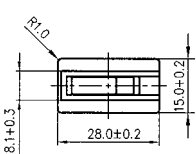


Operating Characteristics

1430 250 VAC, 0.2 (0.2) [0.2] A
50.000 cycles T55



width 0.7 to 2.0mm



Standard Range

Ordering Reference	Illumination	Terminals	Mounting	Function	Lever color
1430-042.02 1651	Without	tab 6.3 mm	Snap-in	NC	White

XKA

Characteristics	■ long overtravel ■ snap-action C0 ■ snap-in mounting ■ type of protection according to IEC 60079-15.1 : 1987
Rating	250 VAC, 1 (1) A 5E4, T85
Dimensions (mm)	28 × 20 × 15
Actuator	■ plain lever ■ round levers
Approvals	UL, CSA, ENEC



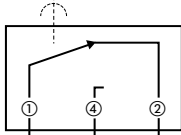
Preferred Range

Ordering Reference	Actuating Force (N)	Sealing	Operating pos. (mm)	Terminal	Circuit	Actuator	Contacts	Electrical rating
XKA304A1AAJ11	0.65	IP40	15,1 ± 1,6	tab	C0	Straight lever	Ag/AgNi	250 VAC, 1 A
XKA304A1AAJ21	0.62	IP40	14,9 ± 1,6	tab	C0	Straight lever	Ag/AgNi	250 VAC, 1 A

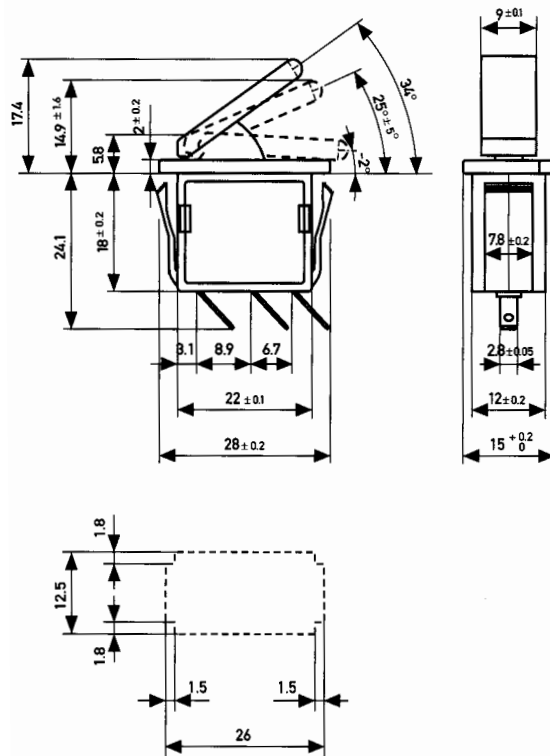
Specifications

Housing	PA
Plunger	PA
Mechanism	Snap-action system with stainless steel tension spring
Functions	Change-over
Contacts	Ag
Terminals	tab
Temperature range °C	85°C
Mechanical life	3 · 10 ⁵ cycles minimum
Protection	Enclosure IP 40
Mounting	Snap-in fixing
Contact carrier	Brass
Tracking resistance	PTI 175
Glow-wire	850 °C

Circuit diagram



Dimensions



Recommended maximum electrical ratings

Voltage VAC	Resistive load (A)	Motor load (A)
250	1	1

The breaking capacities in the tables refer to silver contacts. Gold-plated contacts are intended for use in signal circuits where the energy being switched is at the milliwatt level. Power being switched must be limited in order to avoid overheating and possible dispersal of the gold from the contact area.

XP

Characteristics	■ forced double break switching ■ positive-action force break option ■ > 3 mm contact gap at full travel option ■ faston terminals
Rating	400 VAC, 16 A
Dimensions (mm)	30 × 32 × 12
Actuator	■ plain plunger ■ mushroom plunger ■ plunger with external spring (for increased reset security)
Approvals	ENEC, UL, CSA



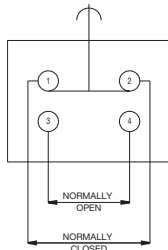
Preferred Range

Ordering Reference	Actuating Force (N) (ozf)		Operating pos. (mm) (in)		Terminal	Circuit	Actuator	Contacts	Electrical rating
XP2Z11	3,0	10,0	14,9	0,587	Faston	CO	Straight plunger	Ag nickel	Up to 400 VAC, 16 A
XP42Z11	1,8	6,2	14,9	0,587	Faston	NC	Straight plunger	Ag nickel	Up to 400 VAC, 16 A
XP52Z11	3,0	10,0	13,0	0,511	Faston	NO	Straight plunger	Ag nickel	Up to 400 VAC, 16 A
XP52E1Z11	6,5	23,3	13,0	0,511	Faston	NO	Mushroom plunger, reset	Ag nickel	Up to 400 VAC, 16 A
XP2E2Z11	3,0	10,0	14,9	0,587	Faston	CO	Mushroom plunger, reset	Ag nickel	Up to 400 VAC, 16 A

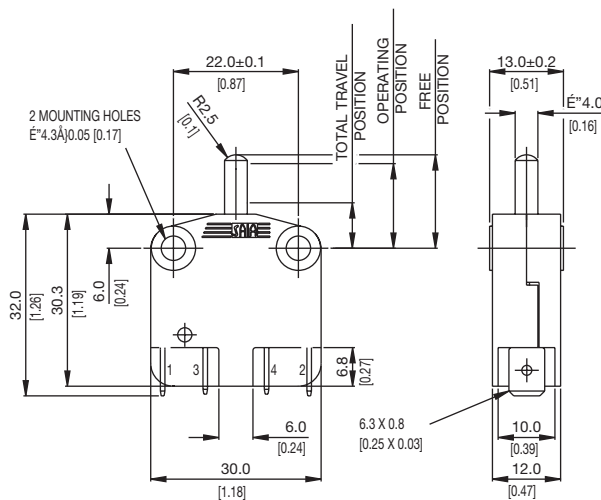
Specifications

Housing	Glass fibre reinforced nylon
Plunger	Glass fibre reinforced nylon
Mechanism	Change-over, normally open, normally closed
Contacts	Silver
Terminals	6.3 mm (0.25 in) faston brass
Temperature range °C	-20°C to +140°C
Mechanical life	10 ⁷ cycles minimum (impact free actuation)
Protection	IP40 (enclosure)
Mounting	Screw mounting
Actuators	Straight or mushroom plunger
Special features	Optional reset spring for increased reset security

Circuit diagram



Dimensions



Recommended maximum electrical ratings

Voltage (max)	Resistive load (A)	Inductive load	Horsepower	Approval
250 VAC	16 (0.75 pf)	-	-	UL 1054/CSA 22.2 No. 55 - 6,000 operations
125 VAC	-	-	¼ HP (0.45 pf)	UL 1054 - Horsepower- 6,000 operations
250 VAC	-	-	¼ HP (0.45 pf)	UL 1054 - Horsepower- 6,000 operations
250 VAC	16	6	-	EN.60158-1 T85 (°C) 50,000 operations
400 VAC	16	4	-	EN.60158-1 T140 (°C) 10,000 operations
0-15 VDC	10	-	-	General rating - 50,000 operations
15-30 VDC	7	-	-	General rating - 50,000 operations

Operating Characteristics

Actuator	Reference	Actuating Force		Release Force		Free Position Maximum		Operating Position		Total Travel Position Maximum		Over travel	
		(N)	(ozf)	(N)	(ozf)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Straight plunger	XP2Z11	3,00	10,0	5,5	19,7	15,3	0,602	14,9 ± 0,4	0,587 ± 0,016	8,0	0,315	4,5	0,177
	XP42Z11	1,75	6,20	5,5	19,7	15,3	0,602	14,9 ± 0,4	0,587 ± 0,016	8,0	0,315	6,5	0,256
	XP52Z11	3,00	10,0	5,5	19,7	16,6	0,653	13,0 ± 0,4	0,511 ± 0,016	8,0	0,315	4,5	0,177
Mushroom plunger with reset spring	XP2E1Z11	6,5	23,3	9,0	32,3	15,3	0,602	14,9 ± 0,4	0,587 ± 0,016	10,5	0,413	2,1	0,082
	XP42E1Z11	3,75	13,4	9,0	32,3	15,3	0,602	14,9 ± 0,4	0,587 ± 0,016	10,5	0,413	4,0	0,157
	XP52E1Z11	6,5	23,3	9,0	32,3	16,6	0,653	13,0 ± 0,4	0,511 ± 0,016	10,5	0,413	2,1	0,082
Mushroom plunger	XP2E2Z11	3,0	10,0	5,5	19,7	15,3	0,602	14,9 ± 0,4	0,587 ± 0,016	8,6	0,339	4,0	0,157

Ordering Reference

Basic type	XP	Momentary	Example: XP	2	2	E1	Z11
	XPS	Positive action forced break (normally closed only)					
Circuit	2	Change-over					
	4	Normally closed					
	5	Normally open					
Terminals	2	Faston 6,3 × 0,8					
Actuators		No symbol, straight plunger					
	E1	Mushroom plunger with reset spring					
	E2	Mushroom plunger					
Approvals	Z11	UL, cUL, CSA and ENEC					

XT

Characteristics	8 mm contact gap 8 mm creepage and clearance distances - forced double break contacts
Rating	400 VAC, 16,5 A max.
Dimensions (mm)	30 × 32 × 12
Actuator	- shrouded plunger - optional key - plain plunger
Approvals	UL, cUL, CSA, ENEC



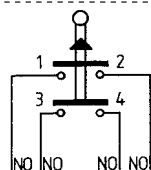
Preferred Range

Ordering Reference	Actuating Force (N)	Actuating Force (ozf)	Operating pos. (mm)	Operating pos. (in)	Terminal	Circuit	Actuator	Contacts	Electrical rating
XTD22AZ1	3,8	13,6	13,0	0,511	Faston	NO	Plunger	Ag nickel	Up to 400 VAC, 16.5 A

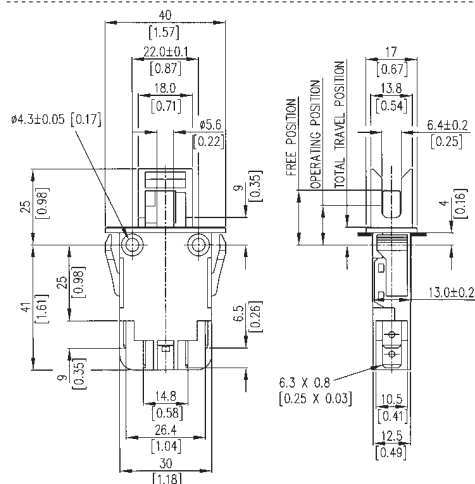
Specifications

Housing	Glass fibre reinforced polyester
Plunger	Glass fibre reinforced polyester
Mechanism	Normally open
Contacts	Silver nickel
Terminals	6.3 mm (0.25 in) faston - brass
Temperature range °C	-20°C to +85°C
Mechanical life	10 ⁶ cycles minimum (impact free actuation)
Protection	IP40 (enclosure)
Mounting	Snap-on or screw mounting
Actuator	Plunger (can be held depressed for maintenance with optional key shrouded option only)
Accessories	Maintenance key N41784 and multiplug housing XTMHSG

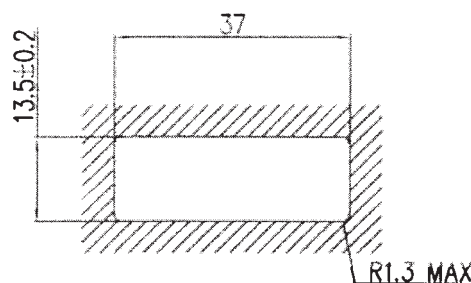
Circuit diagram



Dimensions



SNAP MOUNTING DETAILS



PANEL THICKNESS 1.0 – 2.5

Recommended maximum electrical ratings

Voltage (max)	Load (A)	Inductive load	Horsepower	Approval
125 VAC	15.5 (0.75 pf)	-	-	UL 1054/CSA 22.2 No. 55 - 100,000 operations
250 VAC	15.5 (0.75 pf)	-	-	UL 1054/CSA 22.2 No. 55 - 100,000 operations
125 VAC	-	-	½ HP (0.45 pf)	UL 1054 - Horsepower- 100,000 operations
250 VAC	-	-	½ HP (0.45 pf)	UL 1054 - Horsepower- 100,000 operations
125 VAC	-	-	1½ HP (0.45 pf)	UL 1054 - Horsepower- 100,000 operations
250 VAC	-	-	1½ HP (0.45 pf)	UL 1054 - Horsepower- 100,000 operations
30 VAC	0,5	-	-	EN.60158-1 T85 (°C) 50,0000 operations
400 VAC	16,5	8	-	EN.60158-1 T85 (°C) 50,0000 operations
30 VDC	0,5	-	-	UL 1054/CSA 22.2 No. 55 - 6,000 operations

Operating Characteristics

Actuator	Reference	Actuating Force Maximum (N)	Actuating Force Maximum (ozf)	Release Force Minimum (N)	Release Force Minimum (ozf)	Free Position Maximum (mm)	Free Position Maximum (in)	Operating Position (mm)	Operating Position (in)	Total Travel Position Maximum (mm)	Total Travel Position Maximum (in)	Over travel
Plunger	XTD22AZ1	3,8 (± 0.5)	13,600 (± 3.5)	5,8	20,8	18,0	0,708	13,0 ± 0.4 (main contact)	0,511 ± 0.016	10,0	0,394	3,0 0,118
								12,6 (low voltage contact)	0,496			

Ordering Reference

Basic type	XTD	Example: XTD	22	J	Z1
Terminals	22 A	6.3 × 0.8 mm faston terminals 100 k operations at 15:5 A 250 VAC, UL114 478			
Form	- J P K	Without identification: snap-on mounting with shroud Snap-on mounting without shroud Without shroud, without snap-on mounting			
Approvals	Z1	UL, cUL, CSA and ENEC			