

XH2

22 mm Industrial Push Buttons & Switches

Push Buttons | Emergency Stops | Selector Switches | Key Switches



IP65

standard

IP66

optional

CCC / CE

certifications

600 V / 10 A

Ui / Ith

Why XH2

Key features from the current XH2 technical specification.

Long Service Life

Momentary push buttons: 3,000,000 mechanical operations.
Electrical life $\geq 100,000$ operations; up to 1,000,000 available on request.

High Protection

IP65 front-panel protection as standard. IP66 front-panel protection is available as a customized option.

Modular Contact System

Screw or PCB connection. Multiple NO / NC contact combinations are supported.

Multiple Contact Materials

Silver-nickel alloy, gold-plated silver-nickel alloy and silver contact options are available.

Anti-Rotation Option

Housing variants with a locating boss are available to improve stability after panel installation.

Wide Temperature Range

Operating temperature: -25°C to $+70^{\circ}\text{C}$. Storage / transport: -30°C to $+85^{\circ}\text{C}$.

IEC 60947-5-1 / GB/T 14048.5 | CCC | CE

Ui 600 V | Ith 10 A | AC-15 / DC-13

XH2 Product Family

A modular 22 mm platform covering push buttons, selector switches, key switches and modular components.



Momentary Push Button

Flush / extended



Illuminated Push Button

24 / 110 / 220 / 380 V



Mushroom Push Button

Momentary mushroom



Emergency Stop

Turn-to-release / push-pull



Selector Switch

2- and 3-position



Illuminated Selector

Multiple colors



Key Selector Switch

Multiple key-removal positions



Modular Components

Contact / LED / frame



Key Specifications

Key electrical, mechanical and environmental ratings.

Standard	IEC 60947-5-1 / GB/T 14048.5
Rated insulation voltage Ui	600 V
Rated thermal current Ith	10 A
Rated impulse withstand Uimp	6 kV
Utilization category	AC-15 / DC-13; A600 / Q600
Wire range	2 x 0.5-2.5 mm²; AWG 20-14
Front-panel protection	IP65; IP66 optional
Operating temperature	-25 °C to +70 °C
Storage / transport	-30 °C to +85 °C
Certifications	CCC, CE

LED Block

- Voltage
- AC/DC 24 V; AC 110 / 220 / 380 V
- Frequency
- 50 / 60 Hz (AC)
- Tolerance
- ±10%
- Max. current
- 15 mA
- Life
- >= 50,000 h
- Protection
- IP20

Catalogue Structure

- 1Model designation
- 2Complete button sets
- 3Button heads
- 4Accessories
- 5Installation instructions
- 6Contact & website

Complete Set Ordering Code

XH2	-	FRD	-	RD	-	SC10	-	RD	-	220	-	BK2	-	G
Series		Actuator		Color		Contact		LED		Voltage		Housing		Material

Actuator Codes

FR / FRD	Momentary Push Button / Illuminated
FRH / FRHD	Extended Push Button / Illuminated
FL / FLD	Latching Push Button / Illuminated
FLH	Extended Latching Push Button
FM1-FM9	Momentary Push Button with Marking
MBR	Momentary Mushroom
ET / EP	Emergency Stop
SR / SS / SV / SL	2-position selector switch variants
S3R / S3S / S31 / S32	3-position selector switch variants
...D suffix	Illuminated selector switch variant
KR / KS / KSV	2-position key switch variants
KS3R / KS3S / KS31 / KS32	3-position key switch variants

Options

Actuator colors

BK Black | RD Red | BU Blue
WH White | GN Green | YE Yellow

LED colors

RD Red | BU Blue | WH White
GN Green | YE Yellow

Voltage

24: AC/DC 24 V | 110: AC 110 V
220: AC 220 V | 380: AC 380 V

Housing / anti-rotation

Blank: black + locating boss
BK2: black housing
GY1: grey + locating boss
GY2: grey housing

Contact material

Blank: silver-nickel alloy
G: gold-plated silver-nickel alloy
Ag: silver

Example

XH2 - FRD - RD / SC10 / RD - 220 - BK2 - G

Illuminated momentary push button | Red | 1NO | Red LED | AC 220 V | Black housing | Gold-plated silver-nickel contact

Component Ordering Codes

A. Push Button / Switch Head

XH2 - FR - RD - BK2

Series | Actuator | Actuator Color | Housing / Anti-Rotation

B. Contact Block

XH2 - SC - 10 / G - GY

Series | Terminal Type | Contact Configuration | Contact Material | Housing Color

C. LED Block

XH2 - LED - RD / 220

Series | LED Block | LED Color | Voltage

D. Mounting Frame

XH2 - FRAME - GY

Series | Frame | Color

Buttons, Contact Blocks & LED

Buttons & Contact Blocks	Specification
Standard	IEC 60947-5-1 / GB/T 14048.5
Mechanical life	Momentary push button: 3,000,000 operations; latching: 100,000; mushroom: 100,000; selector: 100,000; key switch: 500,000
Electrical life	>=100,000 operations; 1,000,000 customizable
Operating frequency	Momentary: 3,000 / hour; latching / selector / key: 1,800 / hour; emergency stop: 600 / hour
Wire specification	2 x 0.5-2.5 mm ² ; AWG 20-14
Voltage class	AC-15 / DC-13
Climatic class (EN 60721)	3K6, 3C3, 3S2, 3M6
Certifications	CCC, CE
Ui / Ith / Uimp	600 V / 10 A / 6 kV
Front-panel protection	IP65; IP66 customizable
Vibration resistance	5 g (5-50 Hz, amplitude 0.5 mm)
Shock resistance	Half-sinusoid 11 ms, 15 g
Operating temperature	-25 °C to +70 °C
Storage / transport	-30 °C to +85 °C
Operating humidity	<=95% at 25 °C, without condensation
Tightening torque	Max. 0.8 N·m

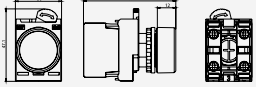
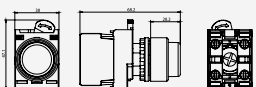
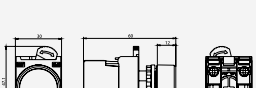
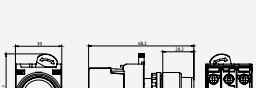
LED Block Specifications

Electrical and environmental data for the XH2 LED block.

Parameter	Value
Standard	IEC 60947-5-1 / GB/T 14048.5
Life cycle	$\geq 50,000$ h
Wire specification	2 x 0.5 mm ² - 2.5 mm ² ; AWG 20-14
Certification	CCC, CE
Climatic class (EN 60721)	3K6, 3C3, 3S2, 3M6
Illuminant	LED
Voltage type	AC/DC
Operating voltage	AC/DC 24 V; AC 110 V; AC 220 V; AC 380 V
Operating frequency	50 / 60 Hz (AC)
Voltage tolerance	$\pm 10\%$
Maximum working current	15 mA
Pollution class	3
Nominal insulation voltage U_i	300 V
Rated impulse withstand voltage U_{imp}	4 kV
Protection	IP20
Vibration resistance	5 g (5-50 Hz, amplitude 0.5 mm)
Shock resistance	Half-sinusoid 11 ms, 15 g
Operating temperature	-25 °C to +70 °C
Storage / transport	-30 °C to +85 °C
Operating humidity	$\leq 95\%$ at 25 °C, without condensation
Tightening torque	Max. 0.8 N·m

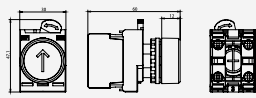
Button Set

Momentary Push Button

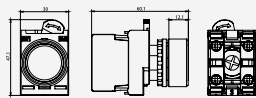
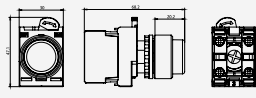
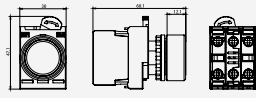
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Push Button		●	1			XH2-FR-RD/SC10 BK2	AEF00000B1A800144	
		●	1			XH2-FR-GN/SC10 BK2	AEF00000B1A800145	
		●		1		XH2-FR-YE/SC01 BK2	AEF00000B1A800146	
		●		1		XH2-FR-WH/SC01 BK2	AEF00000B1A800147	
		●	1	1		XH2-FR-BU/SC11 BK2	AEF00000B1A800148	
		●	1	1		XH2-FR-BK/SC11 BK2	AEF00000B1A800149	
Extended Push Button		●	1			XH2-FRH-RD/SC10 BK2	AEF00000B1A800150	
		●	1			XH2-FRH-GN/SC10 BK2	AEF00000B1A800151	
		●		1		XH2-FRH-YE/SC01 BK2	AEF00000B1A800152	
		●		1		XH2-FRH-WH/SC01 BK2	AEF00000B1A800153	
		●	1	1		XH2-FRH-BU/SC11 BK2	AEF00000B1A800154	
		●	1	1		XH2-FRH-BK/SC11 BK2	AEF00000B1A800155	
Illuminated Push Button		●	1		1	XH2-FRD-RD/SC10/RD 24 BK2	AEF00000B1A800156	
			1		1	XH2-FRD-RD/SC10/RD 110 BK2	AEF00000B1A800157	
				1	1	XH2-FRD-RD/SC01/RD 220 BK2	AEF00000B1A800158	
				1	1	XH2-FRD-RD/SC01/RD 380 BK2	AEF00000B1A800159	
		●	1		1	XH2-FRD-GN/SC10/GN 24 BK2	AEF00000B1A800160	
			1		1	XH2-FRD-GN/SC10/GN 110 BK2	AEF00000B1A800161	
				1	1	XH2-FRD-GN/SC01/GN 220 BK2	AEF00000B1A800162	
				1	1	XH2-FRD-GN/SC01/GN 380 BK2	AEF00000B1A800163	
		●	1		1	XH2-FRD-YE/SC10/YE 24 BK2	AEF00000B1A800164	
			1		1	XH2-FRD-YE/SC10/YE 110 BK2	AEF00000B1A800165	
				1	1	XH2-FRD-YE/SC01/YE 220 BK2	AEF00000B1A800166	
				1	1	XH2-FRD-YE/SC01/YE 380 BK2	AEF00000B1A800167	
		●	1		1	XH2-FRD-WH/SC10/WH 24 BK2	AEF00000B1A800168	
			1		1	XH2-FRD-WH/SC10/WH 110 BK2	AEF00000B1A800169	
				1	1	XH2-FRD-WH/SC01/WH 220 BK2	AEF00000B1A800170	
				1	1	XH2-FRD-WH/SC01/WH 380 BK2	AEF00000B1A800171	
		●	1		1	XH2-FRD-BU/SC10/BU 24 BK2	AEF00000B1A800172	
			1		1	XH2-FRD-BU/SC10/BU 110 BK2	AEF00000B1A800173	
				1	1	XH2-FRD-BU/SC01/BU 220 BK2	AEF00000B1A800174	
				1	1	XH2-FRD-BU/SC01/BU 380 BK2	AEF00000B1A800175	
Illuminated Extended Push Button		●	1		1	XH2-FRHD-RD/SC10/RD 24 BK2	AEF00000B1A800176	
			1		1	XH2-FRHD-RD/SC10/RD 110 BK2	AEF00000B1A800177	
				1	1	XH2-FRHD-RD/SC01/RD 220 BK2	AEF00000B1A800178	
				1	1	XH2-FRHD-RD/SC01/RD 380 BK2	AEF00000B1A800179	
		●	1		1	XH2-FRHD-GN/SC10/GN 24 BK2	AEF00000B1A800180	
			1		1	XH2-FRHD-GN/SC10/GN 110 BK2	AEF00000B1A800181	
				1	1	XH2-FRHD-GN/SC01/GN 220 BK2	AEF00000B1A800182	
				1	1	XH2-FRHD-GN/SC01/GN 380 BK2	AEF00000B1A800183	
		●	1		1	XH2-FRHD-YE/SC10/YE 24 BK2	AEF00000B1A800184	
			1		1	XH2-FRHD-YE/SC10/YE 110 BK2	AEF00000B1A800185	
				1	1	XH2-FRHD-YE/SC01/YE 220 BK2	AEF00000B1A800186	
				1	1	XH2-FRHD-YE/SC01/YE 380 BK2	AEF00000B1A800187	
		●	1		1	XH2-FRHD-WH/SC10/WH 24 BK2	AEF00000B1A800188	
			1		1	XH2-FRHD-WH/SC10/WH 110 BK2	AEF00000B1A800189	
				1	1	XH2-FRHD-WH/SC01/WH 220 BK2	AEF00000B1A800190	
				1	1	XH2-FRHD-WH/SC01/WH 380 BK2	AEF00000B1A800191	
		●	1		1	XH2-FRHD-BU/SC10/BU 24 BK2	AEF00000B1A800192	
			1		1	XH2-FRHD-BU/SC10/BU 110 BK2	AEF00000B1A800193	
				1	1	XH2-FRHD-BU/SC01/BU 220 BK2	AEF00000B1A800194	
				1	1	XH2-FRHD-BU/SC01/BU 380 BK2	AEF00000B1A800195	

Button Set

Momentary Push Button with Marking

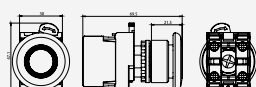
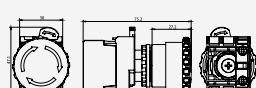
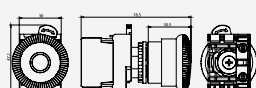
Type	Photo	Marking	NO	NC	Product Model	Order Number	Size
↑			1		XH2-FM1/SC10 BK2	AEF00000B1A800135	
○			1		XH2-FM2/SC10 BK2	AEF00000B1A800136	
I				1	XH2-FM3/SC01 BK2	AEF00000B1A800137	
STOP				1	XH2-FM4/SC01 BK2	AEF00000B1A800138	
90°↑			1		XH2-FM5/SC10 BK2	AEF00000B1A800139	
↕			1		XH2-FM6/SC10 BK2	AEF00000B1A800140	
90°↕				1	XH2-FM7/SC01 BK2	AEF00000B1A800141	
↓				1	XH2-FM8/SC01 BK2	AEF00000B1A800142	
90°↓			1		XH2-FM9/SC10 BK2	AEF00000B1A800143	

Latching Push Button

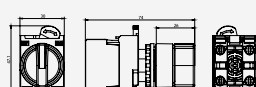
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Push Button		Red	1			XH2-FL-RD/SC10 BK2	AEF00000B1A800196	
		Green	1			XH2-FL-GN/SC10 BK2	AEF00000B1A800197	
		Yellow		1		XH2-FL-YE/SC01 BK2	AEF00000B1A800198	
		White		1		XH2-FL-WH/SC01 BK2	AEF00000B1A800199	
		Blue	1	1		XH2-FL-BU/SC11 BK2	AEF00000B1A800200	
		Black	1	1		XH2-FL-BK/SC11 BK2	AEF00000B1A800201	
Extended Push Button		Red	1			XH2-FLH-RD/SC10 BK2	AEF00000B1A800202	
		Green	1			XH2-FLH-GN/SC10 BK2	AEF00000B1A800203	
		Yellow		1		XH2-FLH-YE/SC01 BK2	AEF00000B1A800204	
		White		1		XH2-FLH-WH/SC01 BK2	AEF00000B1A800205	
		Blue	1	1		XH2-FLH-BU/SC11 BK2	AEF00000B1A800206	
		Black	1	1		XH2-FLH-BK/SC11 BK2	AEF00000B1A800207	
Illuminated Push Button		Red	1		1	XH2-FLD-RD/SC10/RD 24 BK2	AEF00000B1A800208	
			1		1	XH2-FLD-RD/SC10/RD 110 BK2	AEF00000B1A800209	
				1	1	XH2-FLD-RD/SC01/RD 220 BK2	AEF00000B1A800210	
				1	1	XH2-FLD-RD/SC01/RD 380 BK2	AEF00000B1A800211	
		Green	1		1	XH2-FLD-GN/SC10/GN 24 BK2	AEF00000B1A800212	
			1		1	XH2-FLD-GN/SC10/GN 110 BK2	AEF00000B1A800213	
				1	1	XH2-FLD-GN/SC01/GN 220 BK2	AEF00000B1A800214	
				1	1	XH2-FLD-GN/SC01/GN 380 BK2	AEF00000B1A800215	
		Yellow	1		1	XH2-FLD-YE/SC10/YE 24 BK2	AEF00000B1A800216	
			1		1	XH2-FLD-YE/SC10/YE 110 BK2	AEF00000B1A800217	
				1	1	XH2-FLD-YE/SC01/YE 220 BK2	AEF00000B1A800218	
				1	1	XH2-FLD-YE/SC01/YE 380 BK2	AEF00000B1A800219	
		White	1		1	XH2-FLD-WH/SC10/WH 24 BK2	AEF00000B1A800220	
			1		1	XH2-FLD-WH/SC10/WH 110 BK2	AEF00000B1A800221	
				1	1	XH2-FLD-WH/SC01/WH 220 BK2	AEF00000B1A800222	
				1	1	XH2-FLD-WH/SC01/WH 380 BK2	AEF00000B1A800223	
		Blue	1		1	XH2-FLD-BU/SC10/BU 24 BK2	AEF00000B1A800224	
			1		1	XH2-FLD-BU/SC10/BU 110 BK2	AEF00000B1A800225	
				1	1	XH2-FLD-BU/SC01/BU 220 BK2	AEF00000B1A800226	
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Button Set

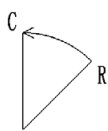
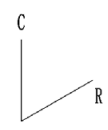
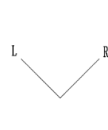
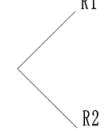
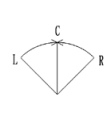
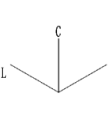
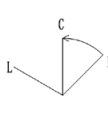
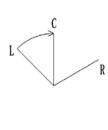
Mushroom and Emergency Stop Button

Type	Photo	Color	NO	NC	Product Model	Order Number	Size
Momentary Mushroom			1		XH2-MBR-RD/SC10 BK2	AEF00000B1A800248	
			1		XH2-MBR-GN/SC10 BK2	AEF00000B1A800249	
				1	XH2-MBR-YE/SC01 BK2	AEF00000B1A800250	
				1	XH2-MBR-WH/SC01 BK2	AEF00000B1A800251	
			1	1	XH2-MBR-BU/SC11 BK2	AEF00000B1A800252	
			1	1	XH2-MBR-BK/SC11 BK2	AEF00000B1A800253	
Emergency Stop (Turn to Release)				1	XH2-ET-RD/SC01 BK2	AEF00000B1A800260	
Emergency Stop (Push-pull)				1	XH2-EP-RD/SC01 BK2	AEF00000B1A800261	

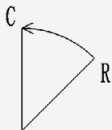
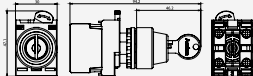
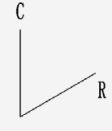
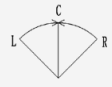
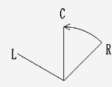
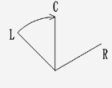
Selector Switch

Type	Photo	Angle	No	NC	Product Model	Order Number	Size
Two Position Right-return 45°			1		XH2-SR/SC10 BK2	AEF00000B1A800262	
Two Position Right-stay 60°			1		XH2-SS/SC10 BK2	AEF00000B1A800263	
Two Position ±45° Stay Put			1		XH2-SV/SC10 BK2	AEF00000B1A800264	
Two Position 45°-135° Stay Put				1	XH2-SL/SC01 BK2	AEF00000B1A800265	
Three Position Self-return				1	XH2-S3R/SC01 BK2	AEF00000B1A800266	
Three Position Stay Put				1	XH2-S3S/SC01 BK2	AEF00000B1A800267	
Three Position Left- stay Right- return			1	1	XH2-S31/SC11 BK2	AEF00000B1A800268	
Three Position Left-return			1	1	XH2-S32/SC11 BK2	AEF00000B1A800269	

Illuminated Selector Switch

Type	Photo	Color	Angle	NO	NC	LED	Product Model	Order Number	Size
Two Position Right-return 45°					1	1	XH2-SRD-RD/SC01/RD 220 BK2	AEF00000B1A800272	
					1	1	XH2-SRD-GN/SC01/GN 220 BK2	AEF00000B1A800276	
					1	1	XH2-SRD-YE/SC01/YE 220 BK2	AEF00000B1A800280	
					1	1	XH2-SRD-WH/SC01/WH 220 BK2	AEF00000B1A800284	
					1	1	XH2-SRD-BU/SC01/BU 220 BK2	AEF00000B1A800288	
Two Position Right-stay 60°					1	1	XH2-SSD-RD/SC01/RD 220 BK2	AEF00000B1A800292	
					1	1	XH2-SSD-GN/SC01/GN 220 BK2	AEF00000B1A800296	
					1	1	XH2-SSD-YE/SC01/YE 220 BK2	AEF00000B1A800300	
					1	1	XH2-SSD-WH/SC01/WH 220 BK2	AEF00000B1A800304	
					1	1	XH2-SSD-BU/SC01/BU 220 BK2	AEF00000B1A800308	
Two Position ±45° Stay Put					1	1	XH2-SVD-RD/SC01/RD 220 BK2	AEF00000B1A800312	
					1	1	XH2-SVD-GN/SC01/GN 220 BK2	AEF00000B1A800316	
					1	1	XH2-SVD-YE/SC01/YE 220 BK2	AEF00000B1A800320	
					1	1	XH2-SVD-WH/SC01/WH 220 BK2	AEF00000B1A800324	
					1	1	XH2-SVD-BU/SC01/BU 220 BK2	AEF00000B1A800328	
Two Position 45°-135° Stay Put					1	1	XH2-SLD-RD/SC01/RD 220 BK2	AEF00000B1A800332	
					1	1	XH2-SLD-GN/SC01/GN 220 BK2	AEF00000B1A800336	
					1	1	XH2-SLD-YE/SC01/YE 220 BK2	AEF00000B1A800340	
					1	1	XH2-SLD-WH/SC01/WH 220 BK2	AEF00000B1A800344	
					1	1	XH2-SLD-BU/SC01/BU 220 BK2	AEF00000B1A800348	
Three Position Self-return				1	1	XH2-S3RD-RD/SC01/RD 220 BK2	AEF00000B1A800352		
				1	1	XH2-S3RD-GN/SC01/GN 220 BK2	AEF00000B1A800356		
				1	1	XH2-S3RD-YE/SC01/YE 220 BK2	AEF00000B1A800360		
				1	1	XH2-S3RD-WH/SC01/WH 220 BK2	AEF00000B1A800364		
				1	1	XH2-S3RD-BU/SC01/BU 220 BK2	AEF00000B1A800368		
Three Position Stay Put				1	1	XH2-S3SD-RD/SC01/RD 220 BK2	AEF00000B1A800372		
				1	1	XH2-S3SD-GN/SC01/GN 220 BK2	AEF00000B1A800376		
				1	1	XH2-S3SD-YE/SC01/YE 220 BK2	AEF00000B1A800380		
				1	1	XH2-S3SD-WH/SC01/WH 220 BK2	AEF00000B1A800384		
				1	1	XH2-S3SD-BU/SC01/BU 220 BK2	AEF00000B1A800388		
Three Position Left- stay Right-return				1	1	XH2-S31D-RD/SC01/RD 220 BK2	AEF00000B1A800392		
				1	1	XH2-S31D-GN/SC01/GN 220 BK2	AEF00000B1A800396		
				1	1	XH2-S31D-YE/SC01/YE 220 BK2	AEF00000B1A800400		
				1	1	XH2-S31D-WH/SC01/WH 220 BK2	AEF00000B1A800404		
				1	1	XH2-S31D-BU/SC01/BU 220 BK2	AEF00000B1A800408		
Three Position Left-return Right-stay				1	1	XH2-S32D-RD/SC01/RD 220 BK2	AEF00000B1A800412		
				1	1	XH2-S32D-GN/SC01/GN 220 BK2	AEF00000B1A800416		
				1	1	XH2-S32D-YE/SC01/YE 220 BK2	AEF00000B1A800420		
				1	1	XH2-S32D-WH/SC01/WH 220 BK2	AEF00000B1A800424		
				1	1	XH2-S32D-BU/SC01/BU 220 BK2	AEF00000B1A800428		

Key Selector Switch

Type	Photo	Angle	Key Withdraw	NO	NC	Product Model	Order Number	Size
Two Position Right- return 45°			Centre	1		XH2-KR/SC10 BK2	AEF00000B1A800430	
Two Position Right- stay 60°			Centre/Right	1		XH2-KS/SC10 BK2	AEF00000B1A800431	
Two Position ±45° Stay Put			Left/Right	1		XH2-KSV/SC10 BK2	AEF00000B1A800432	
Three Position Return to Center			Centre		1	XH2-KS3R/SC01 BK2	AEF00000B1A800433	
Three Position Stay Put			Left/Centre/Right		1	XH2-KS3S/SC01 BK2	AEF00000B1A800434	
Three Position Left-stay Right-return			Left/Centre		1	XH2-KS31/SC01 BK2	AEF00000B1A800435	
Three Position Left-return Right-stay			Centre/Right	1	1	XH2-KS32/SC11 BK2	AEF00000B1A800436	

Button Head

Momentary Push Button Head

Type	Photo	Color	Product Model	Order Number
Push Button Head			XH2-FR-RD-BK2	AEF00000B1A800016
			XH2-FR-GN-BK2	AEF00000B1A800017
			XH2-FR-YE-BK2	AEF00000B1A800018
			XH2-FR-WH-BK2	AEF00000B1A800019
			XH2-FR-BU-BK2	AEF00000B1A800020
			XH2-FR-BK-BK2	AEF00000B1A800021
Extended Push Button Head			XH2-FRH-RD-BK2	AEF00000B1A800022
			XH2-FRH-GN-BK2	AEF00000B1A800023
			XH2-FRH-YE-BK2	AEF00000B1A800024
			XH2-FRH-WH-BK2	AEF00000B1A800025
			XH2-FRH-BU-BK2	AEF00000B1A800026
			XH2-FRH-BK-BK2	AEF00000B1A800027
Illuminated Push Button Head			XH2-FRD-RD-BK2	AEF00000B1A800028
			XH2-FRD-GN-BK2	AEF00000B1A800029
			XH2-FRD-YE-BK2	AEF00000B1A800030
			XH2-FRD-WH-BK2	AEF00000B1A800031
			XH2-FRD-BU-BK2	AEF00000B1A800032
			XH2-FRD-BK-BK2	AEF00000B1A800033
Illuminated Extended Push Button Head			XH2-FRHD-RD-BK2	AEF00000B1A800034
			XH2-FRHD-GN-BK2	AEF00000B1A800035
			XH2-FRHD-YE-BK2	AEF00000B1A800036
			XH2-FRHD-WH-BK2	AEF00000B1A800037
			XH2-FRHD-BU-BK2	AEF00000B1A800038
			XH2-FRHD-BK-BK2	AEF00000B1A800039

Momentary Push Button Head with Marking

Type	Photo	Marking	Product Model	Order Number
↑			XH2-FM1-BK2	AEF00000B1A800007
○			XH2-FM2-BK2	AEF00000B1A800008
I			XH2-FM3-BK2	AEF00000B1A800009
STOP			XH2-FM4-BK2	AEF00000B1A800010
90° ↑			XH2-FM5-BK2	AEF00000B1A800011
↕			XH2-FM6-BK2	AEF00000B1A800012
90° ↓			XH2-FM7-BK2	AEF00000B1A800013
↓			XH2-FM8-BK2	AEF00000B1A800014
90° ↓			XH2-FM9-BK2	AEF00000B1A800015

Latching Push Button Head

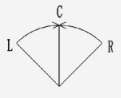
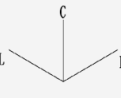
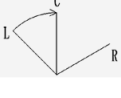
Type	Photo	Color	Product Model	Order Number
Push Button Head			XH2-FL-RD-BK2	AEF00000B1A800038
			XH2-FL-GN-BK2	AEF00000B1A800039
			XH2-FL-YE-BK2	AEF00000B1A800040
			XH2-FL-WH-BK2	AEF00000B1A800041
			XH2-FL-BU-BK2	AEF00000B1A800042
			XH2-FL-BK-BK2	AEF00000B1A800043
Extended Push Button Head			XH2-FLH-RD-BK2	AEF00000B1A800044
			XH2-FLH-GN-BK2	AEF00000B1A800045
			XH2-FLH-YE-BK2	AEF00000B1A800046
			XH2-FLH-WH-BK2	AEF00000B1A800047
			XH2-FLH-BU-BK2	AEF00000B1A800048
			XH2-FLH-BK-BK2	AEF00000B1A800049
Illuminated Push Button Head			XH2-FLD-RD-BK2	AEF00000B1A800050
			XH2-FLD-GN-BK2	AEF00000B1A800051
			XH2-FLD-YE-BK2	AEF00000B1A800052
			XH2-FLD-WH-BK2	AEF00000B1A800053
			XH2-FLD-BU-BK2	AEF00000B1A800054
			XH2-FLD-BK-BK2	AEF00000B1A800055

Button Head

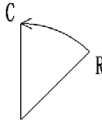
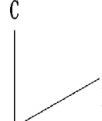
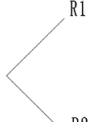
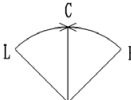
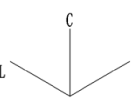
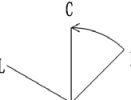
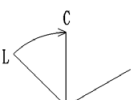
Mushroom & Emergency Stop Button Heads

Type	Photo	Color	Product Model	Order Number
Momentary Mushroom			XH2-MBR-RD-BK2	AEF00000B1A800060
			XH2-MBR-GN-BK2	AEF00000B1A800061
			XH2-MBR-YE-BK2	AEF00000B1A800062
			XH2-MBR-WH-BK2	AEF00000B1A800063
			XH2-MBR-BU-BK2	AEF00000B1A800064
			XH2-MBR-BK BK2	AEF00000B1A800065
Emergency Stop (Turn to Release)			XH2-ET-RD-BK2	AEF00000B1A800072
Emergency Stop (Push-pull)			XH2-EP-RD-BK2	AEF00000B1A800073

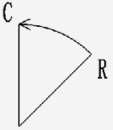
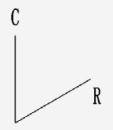
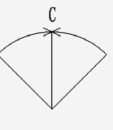
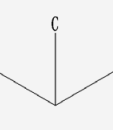
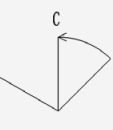
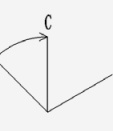
Selector Switch Heads

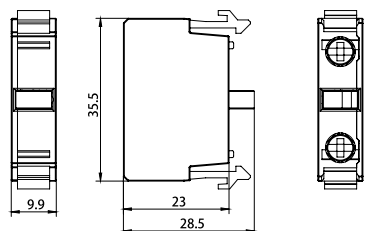
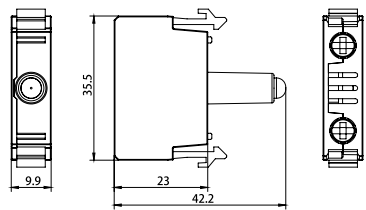
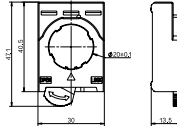
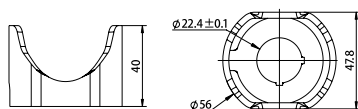
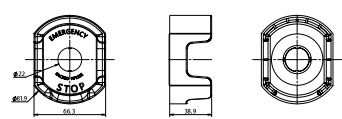
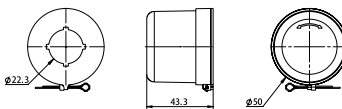
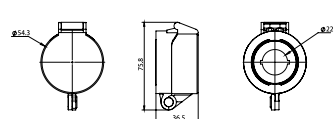
Type	Photo	Angle	Product Model	Order Number
Two Position Right-return 45°			XH2-SR-BK2	AEF00000B1A800074
Two Position Right-stay 60°			XH2-SS-BK2	AEF00000B1A800075
Two Position ±45° Stay Put			XH2-SV-BK2	AEF00000B1A800076
Two Position 45°-135° Stay Put			XH2-SL-BK2	AEF00000B1A800077
Three Position Self-return			XH2-S3R-BK2	AEF00000B1A800078
Three Position Stay Put			XH2-S3S-BK2	AEF00000B1A800079
Three Position Left stay Right- return			XH2-S31-BK2	AEF00000B1A800080
Three Position Left-return Right-stay			XH2-S32-BK2	AEF00000B1A800081

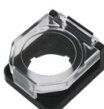
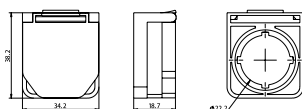
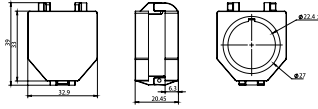
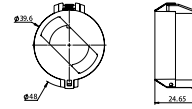
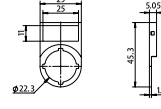
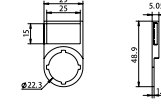
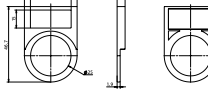
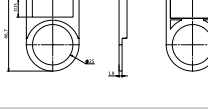
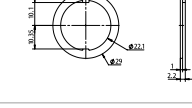
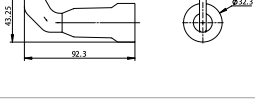
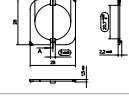
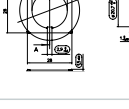
Illuminated Selector Switch Heads

Type	Photo	Color	Angle	Product Model	Order Number
Two Position Right-return 45°				XH2-SRD-RD-BK2	AEF00000B1A800082
				XH2-SRD-GN-BK2	AEF00000B1A800083
				XH2-SRD-YE-BK2	AEF00000B1A800084
				XH2-SRD-WH-BK2	AEF00000B1A800085
				XH2-SRD-BU-BK2	AEF00000B1A800086
Two Position Right-stay 60°				XH2-SSD-RD-BK2	AEF00000B1A800087
				XH2-SSD-GN-BK2	AEF00000B1A800088
				XH2-SSD-YE-BK2	AEF00000B1A800089
				XH2-SSD-WH-BK2	AEF00000B1A800090
				XH2-SSD-BU-BK2	AEF00000B1A800091
Two Position ±45° Stay Put				XH2-SVD-RD-BK2	AEF00000B1A800092
				XH2-SVD-GN-BK2	AEF00000B1A800093
				XH2-SVD-YE-BK2	AEF00000B1A800094
				XH2-SVD-WH-BK2	AEF00000B1A800095
				XH2-SVD-BU-BK2	AEF00000B1A800096
Two Position 45°-135° Stay Put				XH2-SLD-RD-BK2	AEF00000B1A800097
				XH2-SLD-GN-BK2	AEF00000B1A800098
				XH2-SLD-YE-BK2	AEF00000B1A800099
				XH2-SLD-WH-BK2	AEF00000B1A800100
				XH2-SLD-BU-BK2	AEF00000B1A800101
Three Position Self-return				XH2-S3RD-RD-BK2	AEF00000B1A800102
		XH2-S3RD-GN-BK2		AEF00000B1A800103	
		XH2-S3RD-YE-BK2		AEF00000B1A800104	
		XH2-S3RD-WH-BK2		AEF00000B1A800105	
		XH2-S3RD-BU-BK2		AEF00000B1A800106	
Three Position Stay Put			XH2-S3SD-RD-BK2	AEF00000B1A800107	
			XH2-S3SD-GN-BK2	AEF00000B1A800108	
			XH2-S3SD-YE-BK2	AEF00000B1A800109	
			XH2-S3SD-WH-BK2	AEF00000B1A800110	
			XH2-S3SD-BU-BK2	AEF00000B1A800111	
Three Position Left stay Right-return			XH2-S31D-RD-BK2	AEF00000B1A800112	
			XH2-S31D-GN-BK2	AEF00000B1A800113	
			XH2-S31D-YE-BK2	AEF00000B1A800114	
			XH2-S31D-WH-BK2	AEF00000B1A800115	
			XH2-S31D-BU-BK2	AEF00000B1A800116	
Three Position Left-return Right-stay			XH2-S32D-RD-BK2	AEF00000B1A800117	
			XH2-S32D-GN-BK2	AEF00000B1A800118	
			XH2-S32D-YE-BK2	AEF00000B1A800119	
			XH2-S32D-WH-BK2	AEF00000B1A800120	
			XH2-S32D-BU-BK2	AEF00000B1A800121	

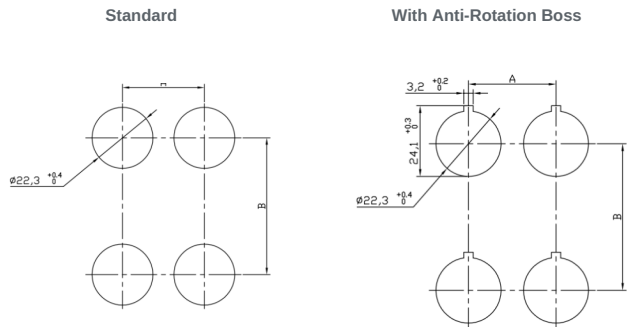
Key Selector Switch Heads

Type	Photo	Angle	Key Withdraw	Product Model	Order Number
Two Position Right- return 45°			Centre	XH2-KR-BK2	AEF00000B1A800122
Two Position Right- stay 60°			Centre/Right	XH2-KS-BK2	AEF00000B1A800123
Two Position ±45° Stay Put			Left/Right	XH2-KSV-BK2	AEF00000B1A800124
Three Position Return to Center			Centre	XH2-KS3R-BK2	AEF00000B1A800125
Three Position Stay Put			Left/Centre/Right	XH2-KS3S-BK2	AEF00000B1A800126
Three Position Left stay Right-return			Left/Centre	XH2-KS31-BK2	AEF00000B1A800127
Three Position Left-return Right-stay			Centre/Right	XH2-KS32-BK2	AEF00000B1A800128

Product	Photo	Color	Product Model	Order Number	Size
NO Contact Block			XH2-SC10	AEF00000B1A800437	
NC Contact Block			XH2-SC01	AEF00000B1A800438	
LED Block		●	XH2-LED/RD 24	AEF00000B1A800439	
			XH2-LED/RD 110	AEF00000B1A800440	
			XH2-LED/RD 220	AEF00000B1A800441	
			XH2-LED/RD 380	AEF00000B1A800442	
		●	XH2-LED/GN 24	AEF00000B1A800443	
			XH2-LED/GN 110	AEF00000B1A800444	
			XH2-LED/GN 220	AEF00000B1A800445	
			XH2-LED/GN 380	AEF00000B1A800446	
		●	XH2-LED/YE 24	AEF00000B1A800447	
			XH2-LED/YE 110	AEF00000B1A800448	
			XH2-LED/YE 220	AEF00000B1A800449	
			XH2-LED/YE 380	AEF00000B1A800450	
		●	XH2-LED/WH 24	AEF00000B1A800451	
			XH2-LED/WH 110	AEF00000B1A800452	
			XH2-LED/WH 220	AEF00000B1A800453	
			XH2-LED/WH 380	AEF00000B1A800454	
		●	XH2-LED/BU 24	AEF00000B1A800455	
			XH2-LED/BU 110	AEF00000B1A800456	
			XH2-LED/BU 220	AEF00000B1A800457	
			XH2-LED/BU 380	AEF00000B1A800458	
Frame			XH2-FRAME	AEF00000B1A800459	
Emergency Stop Protective Cover			FJ59	AEF00000B1A800460	
Emergency Button Protective Cover			FJ60	AEF00000B1A800461	
Protective Cover			B13	AEF00000B1A800462	
Protective Cover			B16	AEF00000B1A800463	

Type	Photo	Color	Product Model	Order Number	Size
Emergency Scutcheon			B10	AEF00000B1A800464	
Push Button Protection Cover			B14	AEF00000B1A800465	
Push Button Protection Cover			B17	AEF00000B1A800466	
Selector Switch Protection Cover			B18	AEF00000B1A800467	
Scutcheon Frame (Large)			C3	AEF00000B1A800468	
Scutcheon Frame (Small)			C4	AEF00000B1A800469	
Scutcheon Frame (Large)			C5	AEF00000B1A800470	
Scutcheon Frame (Small)			C6	AEF00000B1A800471	
Locating Ring			B6	AEF00000B1A800472	
Wrench			C7	AEF00000B1A800473	
Anti-rotation Ring (rounded corner)			AR1	AEF00000B1A800474	
Anti-rotation Ring (square)			AR2	AEF00000B1A800475	

Panel Cutouts

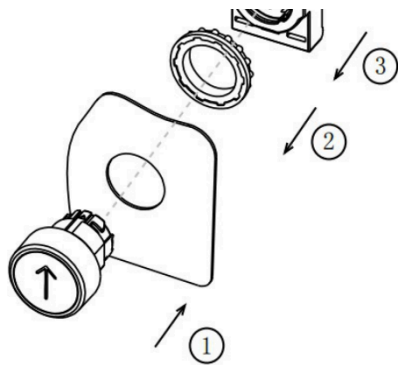


Minimum Mounting Spacing

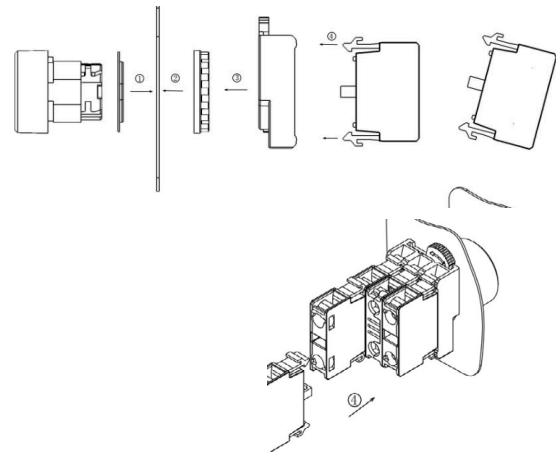
Product	A min. (mm)	B min. (mm)
Push Button	30	50
Selector Switch	30	50
Key Switch	30	50
Mushroom	40	50
Emergency Stop	50	50

Assembly Alignment

Align the triangular marks on the button head and mounting frame before assembly.

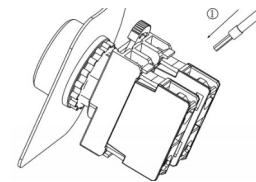


Assembly

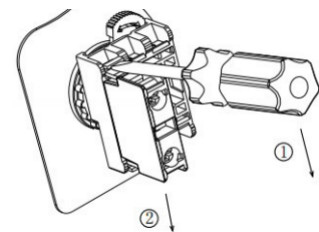


Recommended tightening torque: 1.0-1.2 N·m

Wiring

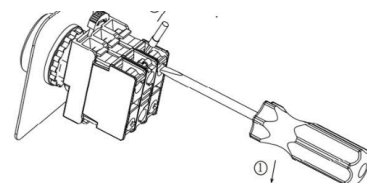


Module Removal



Caution: Do not press the marked side while removing the module. Keep the screwdriver angle below 10°.

Wire Removal



Continue the Conversation

For model selection, quotation support or technical questions, contact our export team.

MANUFACTURED BY



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Scan to visit website

Need help with model selection?

Send us your required actuator type, contact arrangement, voltage, color and installation requirements. We can help confirm the appropriate XH2 configuration.

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