

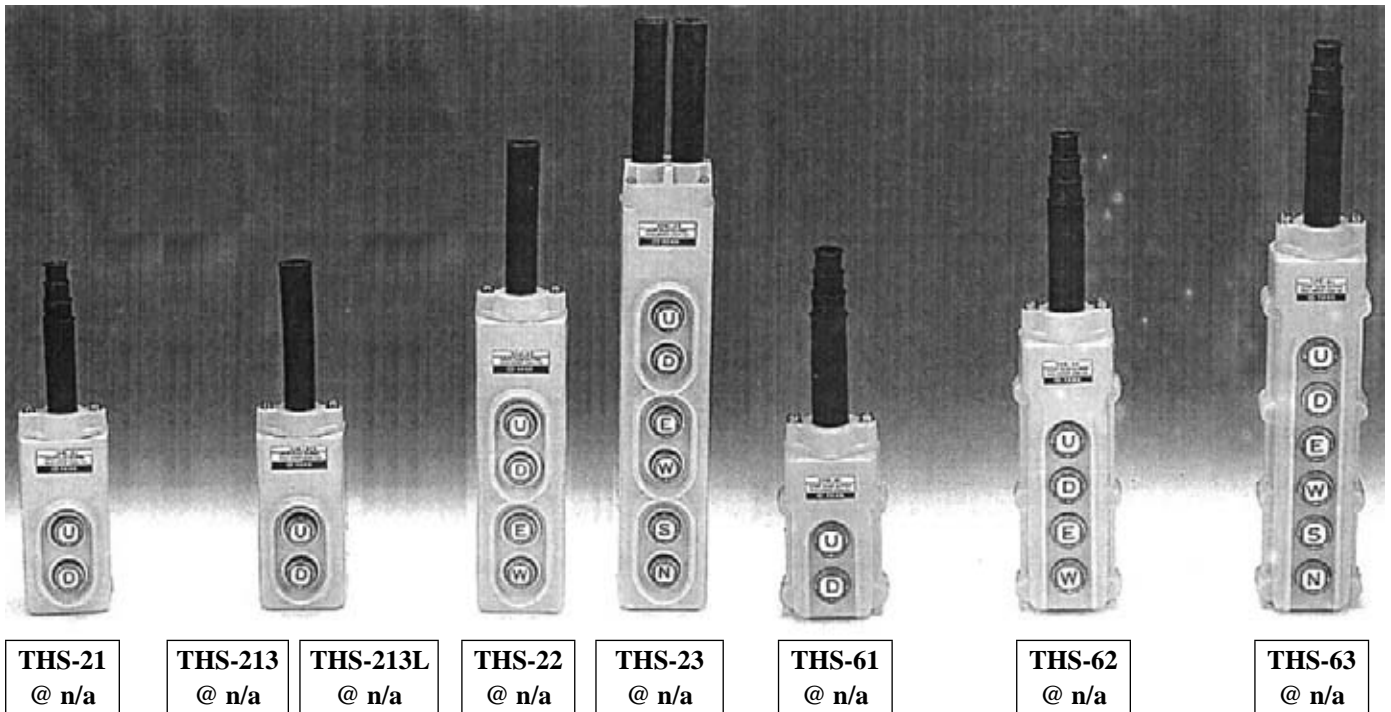
tend HOIST PUSH BUTTON SWITCH

DIRECT OPERATION TYPE

ชนิดต่อตรง

INDIRECT OPERATION TYPE

ชนิดต่อผ่านเมกเนติกสวิตซ์



The hoist push button switches are classified as follows in accordance with application.

Direct operation

1. Hoisting (One set of forward and reverse)
2. Hoisting transverse, or longitudinal (two sets of forward and reverse)
3. Hoisting, transverse, and longitudinal (three sets of forward and reverse)

In conjunction with a magnetic switch

4. Hoisting (one set of forward and reverse used in conjunction with a magnetic switch)
5. Two sets and three sets of forward and reverse are planned.

Used Direct Operation		With A Magnetic Switch	
250 V	15 A	250 V	5 A
500 V	15 A	500 V	2 A

■ SPECIFICATIONS

Type	Hoist operation	Maximum applicable electric motor capacity 200/220V kW (HP)	Standard			Special	
			Inner diameter of the gland bushing packing (mm.)	Nominal crosssectional area (mm ²)	Number of conductors	Other special rubber cables	
Direct Operation	THS-213L	Hoisting	0.75 (1) 1Ø 100V With Lock Pin	18	2.0	6	2 mm ² , 4-Conductor, vinyl, 12Ø 2 m ² , 9-Conductor, rubber, 19Ø 2 mm ² , 7-Conductor, Chloroprene, 17Ø
	THS-213		0.75 (1) 1Ø 100V	18	2.0	6	
	THS-21		2.2 (3)	16	2.0	5	
	THS-22	Hoisting and transverse (or longitudinal)	2.2 (3) x 2	18	2.0	7	
	THS-23	Hoisting transverse and longitudinal	2.2 (3) x 3	14-1, 16-1	2.0	4 and 5	
Indirect Operation	THS-61	Hoisting	250 V 5A 500 V 2A with a magnetic switch	12	2.0	3	10Ø , 11Ø, 13Ø
	THS-62	Two sets		16	2.0	6	
	THS-63	Three sets		18	2.0	7	

* The inner diameter of the rubber packing should be determined in accordance with the size of the rubber cable.

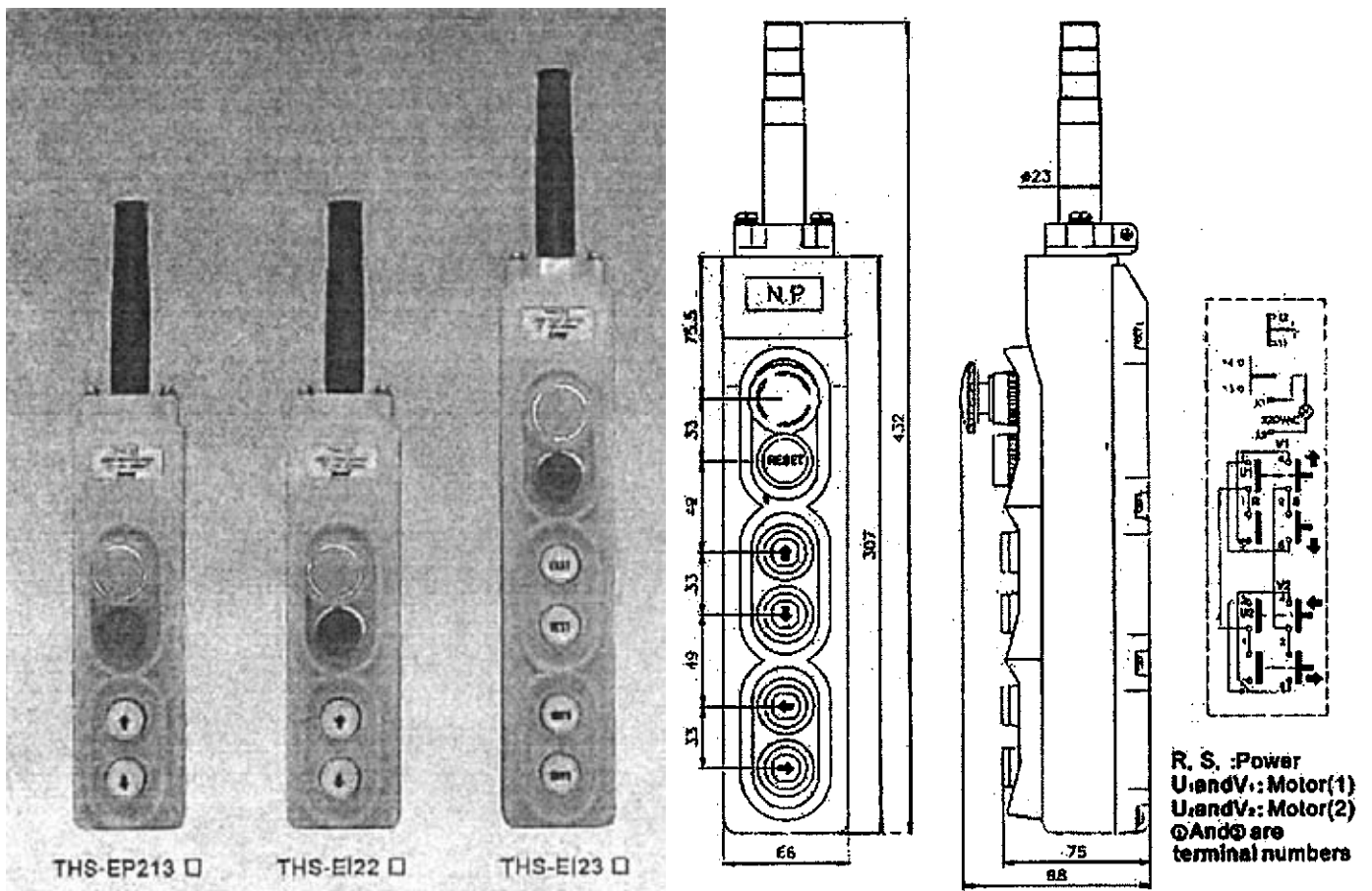
* Hoist push button switches having one gland bushing can be manufactured as a special type of THS upon request. For the rubber cable refer to the inner diameter of the packing listed in the above table.

CHARACTERISTICS

Type	Label	Button	Button Assembly		Description	External Diameter of Cable	Terminal	Remark	Price	
Direct Operation	THS-EP213E	None	1	T2BKRR-2B	Emergency stop 2B (red)	10 A 250 VAC	Ø13.3 ~ Ø16.5	M3.5	Control Moter Directly	@ n/a
			2	T2PR-2R	Indicator (Red)	220 VAC				
			3	THS-213C	213 Contact Block	Single 100/110 V 0.75 Kw				
			4			Phase 200/220 V 1.5 Kw				
	THS-E122	A	1	T2BKRR-1B	Emergency stop 1B (red)	10 A 250 VAC				
			2	T2IFR2G-1A	illuminated flat head push button switch 1A (green)	220 VAC				
			3	THS-2C-S	21 Contact Block	Single 200/220 V 2.2 Kw				
			4			Phase 400/440 V 2.2 Kw				
	THS-E123	E	1	T2BKRR-1B	Emergency stop 1B (red)	10 A 250 VAC				Ø16.3 ~ Ø19.5
			2	T2IFR2G-1A	illuminated flat head push button switch 1A (green)	220 VAC				
			3	2*THS-2C-S	21 Contact Block *2	Single 200/220 V 2.2 Kw				
			4			Phase 400/440 V 2.2 Kw				

◆ Note : None-represent Chinese sticker (A: represents the arrow sticker E: represents English sticker)

DIMENSIONS AND WIRING DRAWING

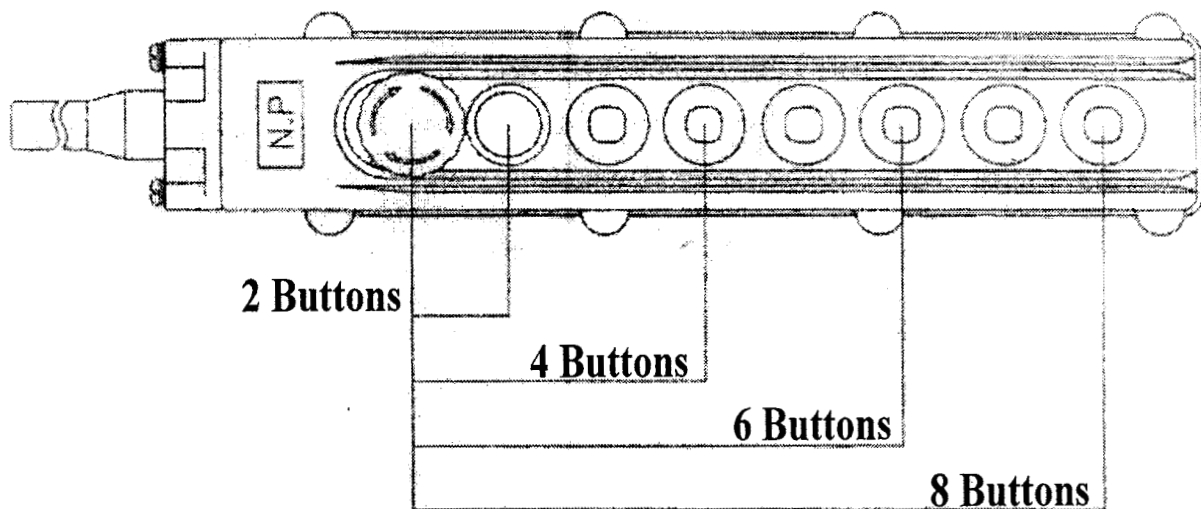


tend HOIST PUSH BUTTON SWITCH (COMPACT HOUSING)

■ MODEL DESIGNATION

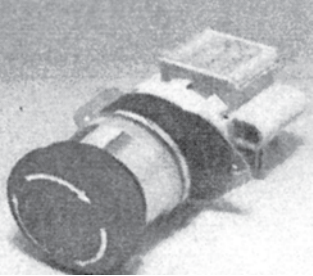
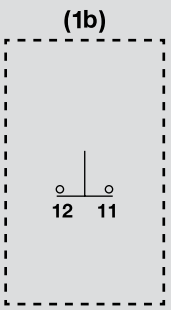
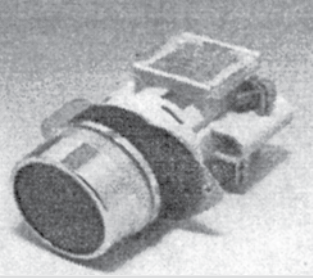
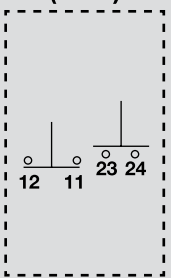
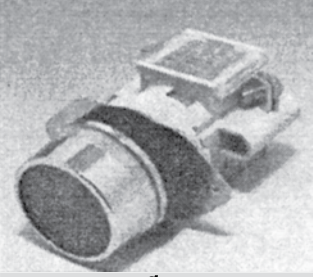
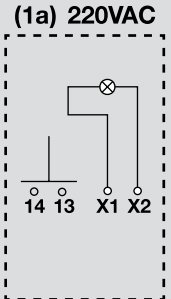
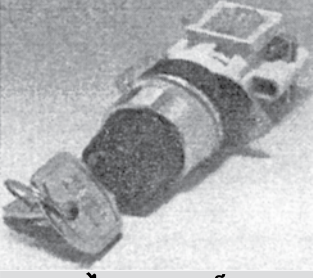
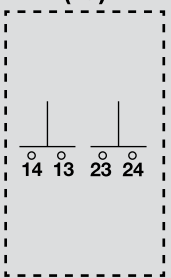
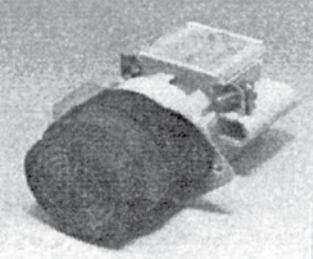
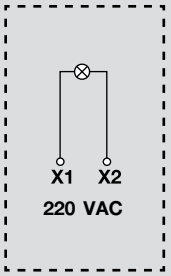
THS-8	<input type="text" value="2"/>				(for 2 Buttons)
THS-8	<input type="text" value="2"/>	<input type="text" value="2"/>			(for 4 Buttons)
THS-8	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text" value="2"/>		(for 6 Buttons)
THS-8	<input type="text" value="EP"/>	<input type="text" value="2"/>	<input type="text" value="2"/>	<input type="text" value="2"/>	(for 8 Buttons)


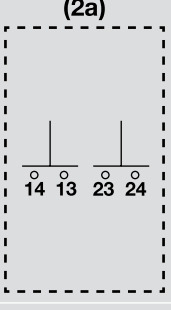


Desingnation	Signal	Description
Control method	82	Direct Control 3Ø Single speed
	83	Indirect Control Two Speed
	86	Indirect Control Single Speed
Push Button Sw.	EX	Emergency P.B + Water proof rubber
	EB	Emergency P.B + Push botton Sw.
	EI	Emergency P.B + ILL. Push button Sw.
	EK	Emergency P.B + Key Sw.
	EP	Emergency P.B + Indicator
	ES	Emergency P.B + Selector Sw.



tend PUSH BUTTON, PILOT LAMP FOR HOIST PUSH BUTTON SWITCH IP65

สวิตช์กด, ไฟลัดดแลมพ์ สำหรับสวิตช์เครนกันน้ำ

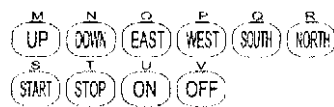
TYPE NO	PICTURE	CONTACT	PRICE
E	สวิตช์กดดอกเห็ด THS-BKR 	(1b) 	@ n/a
B	สวิตช์กด THS-BFR 	(1a1b) 	@ n/a
I	สวิตช์มีไฟลัดดแลมพ์ THS-IFR 	(1a) 220VAC 	@ n/a
K	สวิตช์กุญแจ THS-KSR 	(2a) 	@ n/a
P	ไฟลัดดแลมพ์ THS-PR 	220VAC 	@ n/a

TYPE NO	PICTURE	CONTACT	PRICE
S (THS-SSR)	สวิตช์ลู่กร THS-SSR 	(2a) 	@ n/a
X	ตัวอุด THS-X 	2*TP4*10	@ n/a
	สวิตช์กด ON-OFF THS-PB 	n/a	@ n/a

STICKER WITH LENS 5HS8C02



ราคาแผ่นละ @ n/a



THS-81-B - BOX FOR 2 BUTTON @ n/a

บ็อกสวิตช์เครน 2 ช่อง

THS-82-B - BOX FOR 4 BUTTON @ n/a

บ็อกสวิตช์เครน 4 ช่อง

THS-83-B - BOX FOR 6 BUTTON @ n/a

บ็อกสวิตช์เครน 6 ช่อง

THS-84-B - BOX FOR 8 BUTTON @ n/a

บ็อกสวิตช์เครน 8 ช่อง

THS-82-C CONTACT DIRECT OPERATION SINGLE SPEED @ n/a

คอนแทค 1 สปีดชนิดต่อตรง สำหรับรุ่น THS-82

THS-83-C CONTACT INDIRECT OPERATION SINGLE SPEED @ n/a

คอนแทค 2 สปีดชนิดต่อผ่านเมกเนติกสวิตช์ สำหรับรุ่น THS-83

THS-86-C CONTACT INDIRECT OPERATION SINGLE SPEED @ n/a

คอนแทค 1 สปีดชนิดต่อผ่านเมกเนติกสวิตช์ สำหรับรุ่น THS-86

หมายเหตุ นอกเหนือจาก SPEC สำเร็จรูปใน PRICE LIST นี้
ท่านสามารถซื้ออะไหล่ประกอบเอง
หรือให้ทางบริษัทประกอบให้ตาม SPEC ที่ต้องการ

tend HOIST PUSH BUTTON SWITCHES RAINPROOF (ชนิดกันน้ำ)



■ INDIRECT OPERATION TYPE สวิตช์เครื่องชนิดต่อผ่านเมกเนติกสวิตช์

P/N	Description	Contact	Spec.	Remark	Price
THS-86	Indirect Operation 2 buttons	2a	5A 250VAC	Rainproof	@ n/a
THS-866	Indirect Operation 4 buttons	4a	5A 250VAC	Rainproof	@ n/a
THS-8666	Indirect Operation 6 buttons	6a	5A 250VAC	Rainproof	@ n/a
THS-86666	Indirect Operation 8 buttons	8a	5A 250VAC	Rainproof	@ n/a
THS-8PB6	Indirect Operation 2 buttons with P.B.SW. on-Off	2a	5A 250VAC	Rainproof	@ n/a
THS-8PB66	Indirect Operation 4 buttons with P.B.SW. on-Off	4a	5A 250VAC	Rainproof	@ n/a
THS-8PB666	Indirect Operation 6 buttons with P.B.SW. on-Off	6a	5A 250VAC	Rainproof	@ n/a
THS-83	Indirect Operation Double Speed 2 buttons	2a	5A 250VAC	Rainproof	@ n/a
THS-833	Indirect Operation Double Speed 4 buttons	4a	5A 250VAC	Rainproof	@ n/a
THS-8333	Indirect Operation Double Speed 6 buttons	6a	5A 250VAC	Rainproof	@ n/a
THS-83333	Indirect Operation Double Speed 8 buttons	8a	5A 250VAC	Rainproof	@ n/a
THS-8PB3	Indirect Operation Double Speed 2 buttons with P.B.SW. on-off	2a	5A 250VAC	Rainproof	@ n/a
THS-8PB33	Indirect Operation Double Speed 4 buttons with P.B.SW. on-off	4a	5A 250VAC	Rainproof	@ n/a
THS-8PB333	Indirect Operation Double Speed 6 buttons with P.B.SW. on-off	6a	5A 250VAC	Rainproof	@ n/a
THS-836	Double Speed 2 buttons Single Speed 2 buttons	2a	5A 250VAC	Rainproof	@ n/a
THS-8366	Double Speed 2 buttons Single Speed 4 buttons	4a	5A 250VAC	Rainproof	@ n/a
THS-8336	Double Speed 4 buttons Single Speed 2 buttons	6a	5A 250VAC	Rainproof	@ n/a
THS-83666	Double Speed 2 buttons Single Speed 6 buttons	6a	5A 250VAC	Rainproof	@ n/a
THS-83366	Double Speed 4 buttons Single Speed 4 buttons	6a	5A 250VAC	Rainproof	@ n/a
THS-83336	Double Speed 6 buttons Single Speed 2 buttons	8a	5A 250VAC	Rainproof	@ n/a
THS-8EX3	Double Speed 2 buttons With Emergency Stop	2a	5A 250VAC	Rainproof	@ n/a
THS-8EB3	Double Speed 2 buttons With Emergency Stop, P.B. SW	2a	5A 250VAC	Rainproof	@ n/a
THS-8EI3	Double Speed 2 buttons With Emergency Stop, I. P.B SW	2a	5A 250VAC	Rainproof	@ n/a
THS-8EK3	Double Speed 2 buttons With Emergency Stop & Key Sw.	2a	5A 250VAC	Rainproof	@ n/a
THS-8EP3	Double Speed 2 buttons With Emergency Stop & Pilot Lamp	2a	5A 250VAC	Rainproof	@ n/a
THS-8ES3	Double Speed 2 buttons With Emergency Stop & Selector	2a	5A 250VAC	Rainproof	@ n/a

tend HOIST PUSH BUTTON SWITCHES RAINPROOF (ชนิดกันน้ำ)



INDIRECT OPERATION TYPE สวิตซ์เครนชนิดต่อผ่านเมกเนติกสวิตซ์

P/N	Description	Contact	Spec.	Remark	Price
THS-8EX36	D.S.2 buttons, S.S. 2 buttons / E. STOP	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EB36	D.S.2 buttons, S.S. 2 buttons / E. STOP, P.B., SW.	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EI36	D.S.2 buttons, S.S. 2 buttons / E. STOP, I.P.B., SW.	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EK36	D.S.2 buttons, S.S. 2 buttons / E. STOP, Key., SW.	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EP36	D.S.2 buttons, S.S. 2 buttons / E. STOP, Pilot Lamp	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8ES36	D.S.2 buttons, S.S. 2 buttons / E. STOP, Selector	2a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EX33	D.S.4 buttons, B1 / E. STOP	4a	5A 250VAC	Rainproof	@ n/a
THS-8EB33	D.S.4 buttons / E. STOP, P.B., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EI33	D.S.4 buttons / E. STOP, I.P.B., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EK33	D.S.4 buttons / E. STOP, Key., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EP33	D.S.4 buttons / E. STOP, Pilot Lamp	4a	5A 250VAC	Rainproof	@ n/a
THS-8ES33	D.S.4 buttons / E. STOP, Selector	4a	5A 250VAC	Rainproof	@ n/a
THS-8EX336	D.S.4 buttons, S.S. 2 buttons / E. STOP	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EB336	D.S.4 buttons, S.S. 2 buttons / E. STOP, P.B., SW.	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EI336	D.S.4 buttons, S.S. 2 buttons / E. STOP, I.P.B., SW.	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EK336	D.S.4 buttons, S.S. 2 buttons / E. STOP, Key., SW.	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EP336	D.S.4 buttons, S.S. 2 buttons / E. STOP, Pilot Lamp	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8ES336	D.S.4 buttons, S.S. 2 buttons / E. STOP, Selector	4a/2a	5A 250VAC	Rainproof	@ n/a
THS-8EX333	D.S.6 buttons, B1 / E. STOP	6a	5A 250VAC	Rainproof	@ n/a
THS-8EB333	D.S.6 buttons / E. STOP, P.B., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EI333	D.S.6 buttons / E. STOP, I.P.B., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EK333	D.S.6 buttons / E. STOP, Key., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EP333	D.S.6 buttons / E. STOP, Pilot Lamp	6a	5A 250VAC	Rainproof	@ n/a
THS-8ES333	D.S.6 buttons / E. STOP, Selector	6a	5A 250VAC	Rainproof	@ n/a
THS-8EX366	D.S.2 buttons, S.S. 4 buttons / E. STOP	2a/4a	5A 250VAC	Rainproof	@ n/a
THS-8EB366	D.S.2 buttons, S.S. 4 buttons / E. STOP, P.B., SW.	2a/4a	5A 250VAC	Rainproof	@ n/a
THS-8EI366	D.S.2 buttons, S.S. 4 buttons / E. STOP, I.P.B., SW.	2a/4a	5A 250VAC	Rainproof	@ n/a
THS-8EK366	D.S.2 buttons, S.S. 4 buttons / E. STOP, Key., SW.	2a/4a	5A 250VAC	Rainproof	@ n/a
THS-8EP366	D.S.2 buttons, S.S. 4 buttons / E. STOP, Pilot Lamp	2a/4a	5A 250VAC	Rainproof	@ n/a
THS-8ES366	D.S.2 buttons, S.S. 4 buttons / E. STOP, Selector	2a/4a	5A 250VAC	Rainproof	@ n/a

tend HOIST PUSH BUTTON SWITCHES RAINPROOF (ชนิดกันน้ำ)



■ INDIRECT OPERATION TYPE สวิตซ์เครื่องชนิดต่อผ่านเมกเนติกสวิตซ์

P/N	Description	Contact	Spec.	Remark	Price
THS-8EX6	Indirect 2 buttons / E. STOP	2a	5A 250VAC	Rainproof	@ n/a
THS-8EB6	Indirect 2 buttons / E. STOP, P.B., SW.	2a	5A 250VAC	Rainproof	@ n/a
THS-8EI6	Indirect 2 buttons / E. STOP, I.P.B., SW.	2a	5A 250VAC	Rainproof	@ n/a
THS-8EK6	Indirect 2 buttons / E. STOP, Key., SW.	2a	5A 250VAC	Rainproof	@ n/a
THS-8EP6	Indirect 2 buttons / E. STOP, Pilot Lamp	2a	5A 250VAC	Rainproof	@ n/a
THS-8ES6	Indirect 2 buttons / E. STOP, Selector	2a	5A 250VAC	Rainproof	@ n/a
THS-8EX66	Indirect 4 buttons / E. STOP	4a	5A 250VAC	Rainproof	@ n/a
THS-8EB66	Indirect 4 buttons / E. STOP, P.B., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EI66	Indirect 4 buttons / E. STOP, I.P.B., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EK66	Indirect 4 buttons / E. STOP, Key., SW.	4a	5A 250VAC	Rainproof	@ n/a
THS-8EP66	Indirect 4 buttons / E. STOP, Pilot Lamp	4a	5A 250VAC	Rainproof	@ n/a
THS-8ES66	Indirect 4 buttons / E. STOP, Selector	4a	5A 250VAC	Rainproof	@ n/a
THS-8EX666	Indirect 6 buttons / E. STOP	6a	5A 250VAC	Rainproof	@ n/a
THS-8EB666	Indirect 6 buttons / E. STOP, P.B., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EI666	Indirect 6 buttons / E. STOP, I.P.B., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EK666	Indirect 6 buttons / E. STOP, Key., SW.	6a	5A 250VAC	Rainproof	@ n/a
THS-8EP666	Indirect 6 buttons / E. STOP, Pilot Lamp	6a	5A 250VAC	Rainproof	@ n/a
THS-8ES666	Indirect 6 buttons / E. STOP, Selector	6a	5A 250VAC	Rainproof	@ n/a

tend HOIST PUSH BUTTON SWITCHES RAINPROOF (ชนิดกันน้ำ)



■ DIRECT OPERATION TYPE สวิตช์เครนชนิดต่อตรง

P/N	Description	Contact	Spec.	Remark	Price
THS-82	Direct Operation 2 buttons 3 phases	3a	15A 250VAC	Rainproof	@ n/a
THS-822	Direct Operation 4 buttons 3 phases	6a	15A 250VAC	Rainproof	@ n/a
THS-8222	Direct Operation 6 buttons 3 phases	9a	15A 250VAC	Rainproof	@ n/a
THS-82222	Direct Operation 8 buttons 3 phases	12a	15A 250VAC	Rainproof	@ n/a
THS-8PB2	Direct Operation 2 buttons 3 phases with P.B. SW. On-off	3a	15A 250VAC	Rainproof	@ n/a
THS-8PB22	Direct Operation 4 buttons 3 phases with P.B. SW. On-off	6a	15A 250VAC	Rainproof	@ n/a
THS-8PB222	Direct Operation 6 buttons 3 phases with P.B. SW. On-off	9a	15A 250VAC	Rainproof	@ n/a
THS-8EX2	Direct Operation 2 buttons with E. STOP 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EB2	Direct 2 buttons / E. STOP, P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EI2	Direct 2 buttons / E. STOP, I.P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EK2	Direct 2 buttons / E. STOP, Key., SW.3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EP2	Direct 2 buttons / E. STOP, Pilot Lamp 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8ES2	Direct 2 buttons / E. STOP, Selector 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EX22	Direct Operation 4 buttons with E. STOP 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EB22	Direct 4 buttons / E. STOP, P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EI22	Direct 4 buttons / E. STOP, I.P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EK22	Direct 4 buttons / E. STOP, Key., SW.3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EP22	Direct 4 buttons / E. STOP, Pilot Lamp 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8ES22	Direct 4 buttons / E. STOP, Selector 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EX222	Direct Operation 6 buttons with E. STOP 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EB222	Direct 6 buttons / E. STOP, P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EI222	Direct 6 buttons / E. STOP, I.P.B., SW. 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EK222	Direct 6 buttons / E. STOP, Key., SW.3 phases		15A 250VAC	Rainproof	@ n/a
THS-8EP222	Direct 6 buttons / E. STOP, Pilot Lamp 3 phases		15A 250VAC	Rainproof	@ n/a
THS-8ES222	Direct 6 buttons / E. STOP, Selector 3 phases		15A 250VAC	Rainproof	@ n/a