

47.4

Pushbuttons and Indicating Lights

22.5 mm Modular Pushbuttons—M22

Accessories

M22-XD-S



M22-XDH-R



M22-XDP-G



Button Plates

Color	Inscription	Catalog Number Flush Pushbutton	Catalog Number Extended Pushbutton	Catalog Number Mushroom Head Button
Black	—	M22-XD-S	M22-XDH-S	M22-XDP-S
White	—	M22-XD-W	M22-XDH-W	M22-XDP-W
Red	—	M22-XD-R	M22-XDH-R	M22-XDP-R
Green	—	M22-XD-G	M22-XDH-G	M22-XDP-G
Yellow	—	M22-XD-Y	M22-XDH-Y	M22-XDP-Y
Blue	—	M22-XD-B	M22-XDH-B	—
Black, white, red, green, yellow, blue	—	M22-XD-SWRGYB	M22-XDH-SWRGYB	—
Black, red, green	—	M22-XD-SRG	M22-XDH-SRG	—
Black	Custom	M22-XD-S-ETCH	M22-XDH-S-ETCH	M22-XDP-S-ETCH
White	Custom	M22-XD-W-ETCH	M22-XDH-W-ETCH	M22-XDP-W-ETCH
Red	Custom	M22-XD-R-ETCH	M22-XDH-R-ETCH	M22-XDP-R-ETCH
Green	Custom	M22-XD-G-ETCH	M22-XDH-G-ETCH	M22-XDP-G-ETCH
Yellow	Custom	M22-XD-Y-ETCH	M22-XDH-Y-ETCH	M22-XDP-Y-ETCH
Blue	Custom	M22-XD-B-ETCH	M22-XDH-B-ETCH	—
Black	STOP	M22-XD-S-GB0	M22-XDH-S-GB0	M22-XDP-S-GB0
Red	STOP	M22-XD-R-GB0	M22-XDH-R-GB0	M22-XDP-R-GB0
Black	START	M22-XD-S-GB1	M22-XDH-S-GB1	M22-XDP-S-GB1
White	START	M22-XD-W-GB1	M22-XDH-W-GB1	—
Green	START	M22-XD-G-GB1	M22-XDH-G-GB1	M22-XDP-G-GB1
Black	CLOSE	M22-XD-S-GB2	M22-XDH-S-GB2	—
Black	UP	M22-XD-S-GB3	M22-XDH-S-GB3	M22-XDP-S-GB3
Black	DOWN	M22-XD-S-GB4	M22-XDH-S-GB4	M22-XDP-S-GB4
Black	OFF	M22-XD-S-GB5	M22-XDH-S-GB5	M22-XDP-S-GB5
Red	OFF	M22-XD-R-GB5	M22-XDH-R-GB5	M22-XDP-R-GB5
Black	ON	M22-XD-S-GB6	M22-XDH-S-GB6	M22-XDP-S-GB6
Green	ON	M22-XD-G-GB6	M22-XDH-G-GB6	M22-XDP-G-GB6
Black	TEST	M22-XD-S-GB9	M22-XDH-S-GB9	—
Blue	RESET	M22-XD-B-GB14	M22-XDH-B-GB14	—
Black	FORWARD	M22-XD-S-GB15	M22-XDH-S-GB15	M22-XDP-S-GB15
Black	REVERSE	M22-XD-S-GB16	M22-XDH-S-GB16	M22-XDP-S-GB16
Black	RAISE	M22-XD-S-GB17	M22-XDH-S-GB17	—
Black	LOWER	M22-XD-S-GB18	M22-XDH-S-GB18	—
Black	⊙	M22-XD-S-X0	M22-XDH-S-X0	M22-XDP-S-X0
Red	⊙	M22-XD-R-X0	M22-XDH-R-X0	M22-XDP-R-X0
Green	⊙	—	—	M22-XDP-G-X0
Black	⓪	M22-XD-S-X1	M22-XDH-S-X1	M22-XDP-S-X1
White	⓪	M22-XD-W-X1	M22-XDH-W-X1	—
Green	⓪	M22-XD-G-X1	M22-XDH-G-X1	M22-XDP-G-X1
Black	⓪	M22-XD-S-X2	M22-XDH-S-X2	—
Green	⓪	M22-XD-G-X2	M22-XDH-G-X2	—
Black	⊕	M22-XD-S-X4	M22-XDH-S-X4	M22-XDP-S-X4
Black	⊖	M22-XD-S-X5	M22-XDH-S-X5	M22-XDP-S-X5
Blue	Ⓜ	M22-XD-B-X6	M22-XDH-B-X6	—
Black	⓪	M22-XD-S-X7	M22-XDH-S-X7	M22-XDP-S-X7
Black	⓪	M22-XD-S-X8	M22-XDH-S-X8	—
Black	See ① below	M22-XD-S-X9	M22-XDH-S-X9	—
Black	See ① below	M22-XD-S-X10	M22-XDH-S-X10	—
Black	See ① below	M22-XD-S-X11	M22-XDH-S-X11	—
Black	See ① below	M22-XD-S-X12	M22-XDH-S-X12	—
Black	See ① below	M22-XD-S-X13	M22-XDH-S-X13	—
Black	See ① below	M22-XD-S-X14	M22-XDH-S-X14	—
Black	See ① below	M22-XD-S-X15	M22-XDH-S-X15	—
Black	See ① below	M22-XD-S-X16	M22-XDH-S-X16	—
Black	See ① below	M22-XD-S-X17	M22-XDH-S-X17	—

Note

① Refer to the Symbols Library, (see Pages 114–121), for symbol image.

M22-XDLH-W



M22-XDL-G



Button Lenses

Color	Inscription	Catalog Number Flush	Catalog Number Extended	Color	Inscription	Catalog Number Flush	Catalog Number Extended
White	—	M22-XDL-W	M22-XDLH-W	Blue	Custom	M22-XDL-B-ETCH	M22-XDLH-B-ETCH
Red	—	M22-XDL-R	M22-XDLH-R	Red	STOP	M22-XDL-R-GB0	M22-XDLH-R-GB0
Green	—	M22-XDL-G	M22-XDLH-G	Green	START	M22-XDL-G-GB1	M22-XDLH-G-GB1
Yellow	—	M22-XDL-Y	M22-XDLH-Y	Red	OFF	M22-XDL-R-GB5	M22-XDLH-R-GB5
Blue	—	M22-XDL-B	M22-XDLH-B	Green	ON	M22-XDL-G-GB6	M22-XDLH-G-GB6
White	Custom	M22-XDL-W-ETCH	M22-XDLH-W-ETCH	Blue	RESET	M22-XDL-B-GB14	M22-XDLH-B-GB14
Red	Custom	M22-XDL-R-ETCH	M22-XDLH-R-ETCH	Red	⊙	M22-XDL-R-X0	M22-XDLH-R-X0
Green	Custom	M22-XDL-G-ETCH	M22-XDLH-G-ETCH	Green	⓪	M22-XDL-G-X1	M22-XDLH-G-X1
Yellow	Custom	M22-XDL-Y-ETCH	M22-XDLH-Y-ETCH	Blue	Ⓛ	M22-XDL-B-X6	M22-XDLH-B-X6

Mounting Adapters

Description	Catalog Number
-------------	----------------

M22-A



Contact block mounting adapter **M22-A**

M22-A4



Contact block mounting adapter, four-position (for use with four-way pushbuttons, joysticks and four-position selector switches only). **M22-A4**

M22-LS



Allows mounting of M22 pushbuttons to LS-Titan limit switch bodies (for the full LS-Titan catalog section, see **PG08301004E**). **M22-LS**

Contact Blocks

M22-K10



Mounting Location	Terminal Type	Contact Configuration ^①	Package Qty.	Catalog Number
Front	Screw	NO	1	M22-K10
		NO	25	M22-K10-B25
		NO	100	M22-K10-B100
		NO, early-make	1	M22-K10P
		NC	1	M22-K01
		NC	25	M22-K01-B25
		NC	100	M22-K01-B100
		NC, late-break	1	M22-K01D
		Base		NO
NO	25			M22-KC10-B25
NO	100			M22-KC10-B100
NC	1			M22-KC01
NC	25			M22-KC01-B25
NC	100			M22-KC01-B100
Front	Spring-cage	NO	1	M22-CK10
		NC	1	M22-CK01
		NC, late-break	1	M22-CK01D
		2NO ^②	1	M22-CK20
		2NC ^②	1	M22-CK02
		NO-NC ^②	1	M22-CK11
Base		NO	1	M22-CKC10
		NC	1	M22-CKC01

Notes

- ① All NC contact blocks are positively driven contact. ⊖
- ② Not stackable.

47.4

Pushbuttons and Indicating Lights

22.5 mm Modular Pushbuttons—M22

M22-LED-W



Light Units

Terminal Type	Mounting Location	LED Color	Light Unit Voltage	Catalog Number	
Screw	Front	White	12–30 Vac/Vdc	M22-LED-W	
		Red		M22-LED-R	
		Green		M22-LED-G	
		Blue		M22-LED-B	
		White	85–264 Vac	M22-LED230-W	
		Red		M22-LED230-R	
		Green		M22-LED230-G	
		Blue		M22-LED230-B	
		White	207–264 Vac	M22-LED230H-W	
		Red		M22-LED230H-R	
	Base	White	12–30 Vac/Vdc	M22-LEDC-W	
		Red		M22-LEDC-R	
		Green		M22-LEDC-G	
		Blue		M22-LEDC-B	
		White	85–264 Vac	M22-LEDC230-W	
		Red		M22-LEDC230-R	
		Green		M22-LEDC230-G	
		Blue		M22-LEDC230-B	
		White	207–264 Vac	M22-LEDC230H-W	
		Red		M22-LEDC230H-R	
Spring-cage	Front	White	12–30 Vac/Vdc	M22-CLED-W	
		Red		M22-CLED-R	
		Green		M22-CLED-G	
		Blue		M22-CLED-B	
		White	85–264 Vac	M22-CLED230-W	
		Red		M22-CLED230-R	
		Green		M22-CLED230-G	
		Blue		M22-CLED230-B	
		Base	White	12–30 Vac/Vdc	M22-CLEDC-W
			Red		M22-CLEDC-R
	Green			M22-CLEDC-G	
	Blue			M22-CLEDC-B	
	White		85–264 Vac	M22-CLEDC230-W	
	Red			M22-CLEDC230-R	
	Green			M22-CLEDC230-G	
	Blue			M22-CLEDC230-B	

47

M22-XLED60



LED Resistor and Test Elements

Terminal Type	Mounting Location	Element Type	Voltage	Catalog Number
Screw	Front	Resistor ^{①②}	42–60 Vac/Vdc	M22-XLED60
			220 Vdc	M22-XLED220
		Test	12–240 Vac/Vdc	M22-XLED-T
			85–264 Vac	M22-XLED230-T

Notes

- ① Resistor units to be used with 12–30V light units.
- ② Refer to **IL04716002E** for use of resistor elements in series for higher DC voltage.

Legend Plate Holders and Inserts, Pushbuttons and Double Pushbuttons ②

M22S-ST-X



Description	Inscription	Catalog Number
Legend plate holder, without legend plate insert, for pushbuttons	—	M22S-ST-X
Legend plate holder, without legend plate insert, for double pushbuttons	—	M22S-STDD-X

M22-XST-GB0



Legend plate insert	—	M22-XST
	Custom	M22-XST-ETCH ①
	STOP	M22-XST-GB0
	START	M22-XST-GB1
	OFF	M22-XST-GB5
	ON	M22-XST-GB6
	RUN	M22-XST-GB7
	FAULT	M22-XST-GB8
	OFF ON	M22-XST-GB10
	MAN. AUTO	M22-XST-GB11
	MAN. O AUTO	M22-XST-GB12
	HAND AUTO	M22-XST-D11
	HAND O AUTO	M22-XST-D12
	1	M22-XST-X52
	2	M22-XST-X53
	O I	M22-XST-X88
O - I	M22-XST-X89	
I O II	M22-XST-X93	

Notes

① When ordering, specify inscription per catalog number suffix from the Symbols Library (see **Pages 114–121**) into the Order Notes.
For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #_.


② Legend plates are IP66 and NEMA 4X/13.

Example

To order a legend plate for a pushbutton with non-standard markings (FORWARD):

1. Select legend plate holder—M22S-ST-X.
2. Select legend plate insert—M22-XST-ETCH.
3. Select FORWARD from the Symbols Library, **Pages 114–121**, identified by GB15 suffix.
4. Indicate on the order form in the order notes—suffix GB15, line item # ____ .

Legend Plates, Complete ^②

	Description	Inscription	Catalog Number	
 <p>M22-ST-GB0</p>	For use with pushbuttons and indicating lights	Legend plate holder with insert	STOP M22S-ST-GB0	
			START M22S-ST-GB1	
			OFF M22S-ST-GB5	
			ON M22S-ST-GB6	
			RUN M22S-ST-GB7	
			FAULT M22S-ST-GB8	
			1 M22S-ST-X52	
			2 M22S-ST-X53	
		Selector switches	—	OFF ON M22S-ST-GB10
				MAN. AUTO M22S-ST-GB11
				MAN. O AUTO M22S-ST-GB12
				HAND AUTO M22S-ST-D11
HAND O AUTO M22S-ST-D12				
O I M22S-ST-X88				
O - I M22S-ST-X89				
I O II M22S-ST-X93				
Emergency-stop operators	Rectangular yellow legend plate			— M22-XZK
				Custom M22-XZK-ETCH ^①
				EMERGENCY-STOP M22-XZK-GB99
				Square yellow legend plate
		— M22-XYK-ETCH ^①		
Emergency-stop operators	Square yellow legend plate	EMERGENCY-STOP four-language M22-XYK1		
		EMERGENCY-STOP (top and bottom) M22-XYK5		
		Round yellow legend plate, 90 mm	— M22-XAK	
			Custom M22-XAK-ETCH ^①	
			EMERGENCY-STOP four-language M22-XAK1	
EMERGENCY-STOP (top and bottom) M22-XAK5				
Emergency-stop operators	Round yellow legend plate, 60 mm	— M22-XBK		
		Custom M22-XBK-ETCH ^①		
		EMERGENCY-STOP four-language M22-XBK1		
		EMERGENCY-STOP (top and bottom) M22-XBK5		
		Four-way pushbutton, joystick and four-position selector switches	Silver square legend plate	— M22-XCK
Custom M22-XCK-ETCH ^①				
Four directional arrows M22-XCK1				
0-1-0-2-0-3-0-4 M22-XCK2				
Two directional arrows M22-XCK3				

Notes

- ① When ordering, specify inscription per catalog number suffix from the Symbols Library (see **Pages 114–121**) into the Order Notes. For example, M22-XD-S-ETCH; Order Notes: Mark with symbol X91, Line item #_.
- ② Legend plates are IP66 and NEMA 4X/13.

Surface Mounting Enclosures ①

Description	Catalog Number
Yellow top, black base for emergency-stop operators	M22-IY1-PG
One-element enclosure	M22-I1-PG
Two-element enclosure	M22-I2-PG
Three-element enclosure	M22-I3-PG
Four-element enclosure	M22-I4-PG
Six-element enclosure	M22-I6-PG
M20 connecting screw	M22-XI
M20 cord grip	V-M20

M22-IY1-PG



M22-IY-PG



Flush Mounting Plates, Aluminum

Finish	Rating	Catalog Number
One Hole		
Yellow paint for emergency-stop operators	—	M22-EY1
Gray anodized	IP65	M22-E1
Two Holes		
Gray anodized	IP65	M22-E2
Three Holes		
Gray anodized	IP65	M22-E3
Four Holes		
Gray anodized	IP65	M22-E4
Five Holes		
Gray anodized	IP65	M22-E5
Six Holes		
Anodized	IP40	M22-E6

M22-EY1



Shrouds, Plastic

Description	Rating	Catalog Number
One-element	IP55	M22-H1
Two-element	IP55	M22-H2
Three-element	IP55	M22-H3
Four-element	IP40	M22-H4
Five-element	IP40	M22-H5
Six-element	IP40	M22-H6
Mounting plate	—	M22-XE5
Plaster keys for flush mounting	—	M22-UPE

M22-H1



Selector Switch Accessories

Description	Catalog Number
Plunger bridge ②	M22-XW
Key cover	M22-XWS
Key withdraw adapter ③	M22-XC-R
Coding adapter	M22-XC-Y
Guard ring	M22-XGWK

M22-XW



M22-XWS



M22-XC-R



M22-XC-Y



M22-XGWK



Emergency Stop Operator Accessories

Description	Catalog Number
Yellow guard ring	M22-XGPV
Gray guard ring	M22G-XGPV
Sealing shroud	M22-PL-PV

M22-XGPV



M22G-XGPV



M22-PL-PV



Blanking Plugs

Color	Catalog Number
Gray	M22-B
Black	M22S-B

M22-B



Notes

- ① Requires use of base mounted contact blocks.
- ② Plunger needed to actuate center-mounted contact blocks. Used for non-illuminated three-position selector switches only.
- ③ Enables a keyed selector switch to be set to user-selected key withdraw position.

47.4

Pushbuttons and Indicating Lights

22.5 mm Modular Pushbuttons—M22

Mounting Accessories

	Description	Catalog Number
M22-TC and M22-TA 	Telescopic clip with top-hat rail	M22-TC
	Telescopic clip	M22-TA
	Telescopic clip extension	M22-TCV
M22-IVS 	DIN rail mounting adapter	M22-IVS
M22-GR 	Mounting ring	M22-GR
M22-MS 	Mounting ring tool	M22-MS
M22S-R30 	Adapter ring set for 30 mm holes	M22S-R30

M22-T-D and M22-T-DD



Protective Diaphragm

For Use with ...	Catalog Number
Flush pushbuttons and indicating lights	M22-T-D
Double pushbuttons	M22-T-DD

M22-ADC4



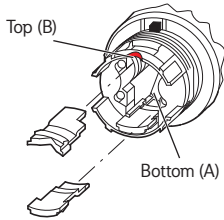
Dust Covers

Description	Catalog Number
Contact block dust cover	M22-XKDP
Operator dust cover, max three contact blocks	M22-ADC
Operator dust cover, max four contact blocks	M22-ADC4

Kits

Description	Catalog Number
Includes one each: M22-XW, M22-XC-R, M22-XC-Y, M22S-B, M22-A, M22-XD-SWRGYB	M22-KT1

Coding Adapter Guide
Selector Switches



Two-Position Selector Switch

Top (B)	Bottom (A)	Catalog Number	Function
		M22(S)-W(L)(K)	Momentary
		M22(S)-WR(L)(K)	Maintained

Three-Position Selector Switch

Top (B)	Bottom (A)	Catalog Number	Function Left	Right
		M22(S)-W(L)(K)3	Momentary	Momentary
		M22(S)-WR(L)(K)3	Maintained	Maintained
		M22(S)-WR(L)(K)3-1	Maintained	Momentary
		M22(S)-WR(L)(K)3-2	Momentary	Maintained

Two-Position Key-Operated Selector Switch

Top (B)	Bottom (A)	Catalog Number	Center Key Withdraw	Right Function	Key Withdraw
		M22(S)-WS	Yes	Momentary	No
		M22(S)-WRS	Yes	Maintained	Yes
		M22(S)-WRS-A1	Yes	Maintained	No

Three-Position Key-Operated Selector Switch

Top (B)	Bottom (A)	Catalog Number	Left Function	Key Withdraw	Center Key Withdraw	Right Function	Key Withdraw
		M22(S)-WS3	Momentary	No	Yes	Momentary	No
		M22(S)-WRS3	Maintained	Yes	Yes	Maintained	Yes
		M22(S)-WRS3-A1	Maintained	No	Yes	Maintained	No
		M22(S)-WRS3-A2	Maintained	Yes	Yes	Maintained	No
		M22(S)-WRS3-A3	Maintained	No	Yes	Maintained	Yes
		M22(S)-WRS3-A4	Maintained	Yes	Yes	Momentary	No
		M22(S)-WRS3-A5	Maintained	No	Yes	Momentary	No
		M22(S)-WRS3-A6	Momentary	No	Yes	Maintained	Yes
		M22(S)-WRS3-A7	Momentary	No	Yes	Maintained	No