

37.4 Pushbuttons and Indicating Lights

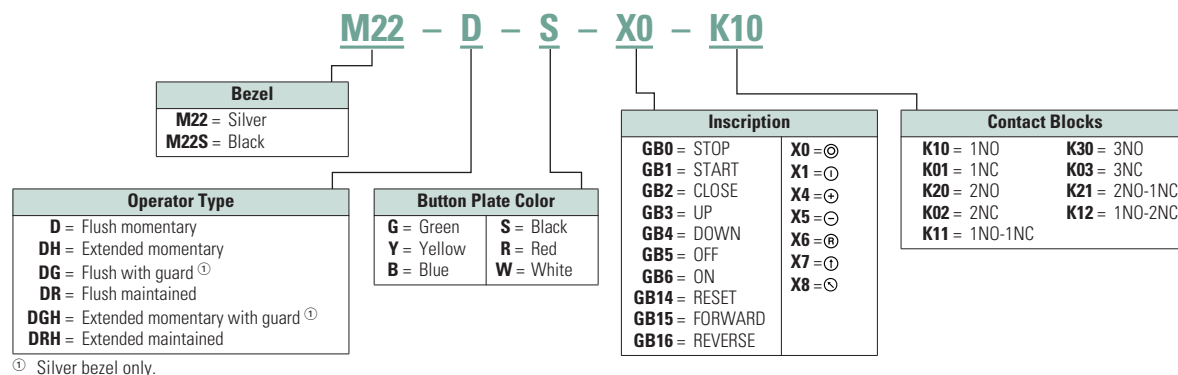
22.5 mm Modular Pushbuttons—M22

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Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Non-Illuminated Pushbuttons



Product Selection

Non-Illuminated Pushbuttons, Flush, Momentary

Complete Devices

	Bezel	Button Color	Contact Block Configuration ^①	Catalog Number
 M22-D-G-K10	Silver	Black	NO	M22-D-S-K10
			NC	M22-D-S-K01
			2NO	M22-D-S-K20
			2NC	M22-D-S-K02
			1NO-1NC	M22-D-S-K11
		Red	NO	M22-D-R-K10
			NC	M22-D-R-K01
			2NO	M22-D-R-K20
			2NC	M22-D-R-K02
			1NO-1NC	M22-D-R-K11
		Green	NO	M22-D-G-K10
			NC	M22-D-G-K01
			2NO	M22-D-G-K20
			2NC	M22-D-G-K02
			1NO-1NC	M22-D-G-K11
 M22S-D-G-K10	Black	Black	NO	M22S-D-S-K10
			NC	M22S-D-S-K01
			2NO	M22S-D-S-K20
			2NC	M22S-D-S-K02
			1NO-1NC	M22S-D-S-K11
		Red	NO	M22S-D-R-K10
			NC	M22S-D-R-K01
			2NO	M22S-D-R-K20
			2NC	M22S-D-R-K02
			1NO-1NC	M22S-D-R-K11
		Green	NO	M22S-D-G-K10
			NC	M22S-D-G-K01
			2NO	M22S-D-G-K20
			2NC	M22S-D-G-K02
			1NO-1NC	M22S-D-G-K11

Note

^① All NC contact blocks are positively driven contact. ⊖

Non-Illuminated Pushbuttons, Flush, Momentary

Operators Only ^①

	Bezel	Button Color	Inscription	Catalog Number
M22-D-G 	Silver	Black	—	M22-D-S
		Red	—	M22-D-R
			STOP	M22-D-R-GB0
			⊙	M22-D-R-X0
		Green	—	M22-D-G
			START	M22-D-G-GB1
			①	M22-D-G-X1
		White	—	M22-D-W
		Blue	—	M22-D-B
		Yellow	—	M22-D-Y
		—	—	M22-D-X-SRG ^②
		—	—	M22-D-X-SWRGYB ^③
M22S-D-G 	Black	Black	—	M22S-D-S
		Red	—	M22S-D-R
			STOP	M22S-D-R-GB0
			⊙	M22S-D-R-X0
		Green	—	M22S-D-G
			START	M22S-D-G-GB1
			①	M22S-D-G-X1
		White	—	M22S-D-W
		Blue	—	M22S-D-B
		Yellow	—	M22S-D-Y
		—	—	M22S-D-X-SRG ^②
		—	—	M22S-D-X-SWRGYB ^③
M22-DG-G 	Silver guarded	Black	—	M22-DG-S
		Red	—	M22-DG-R
		Green	—	M22-DG-G
		White	—	M22-DG-W
		Blue	—	M22-DG-B
		Yellow	—	M22-DG-Y
		—	—	M22-DG-X-SRG ^②
		—	—	M22-DG-X-SWRGYB ^③

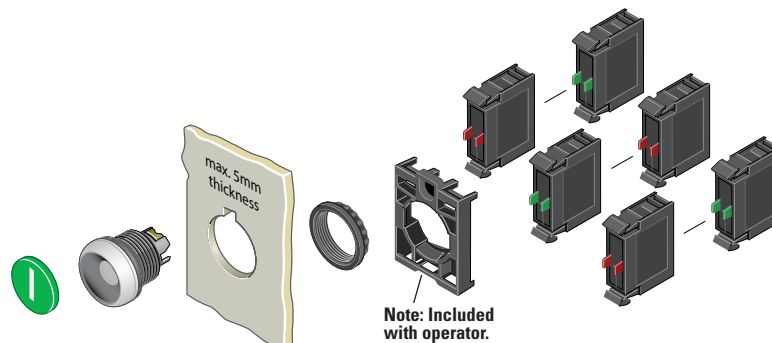
Notes

① Includes contact block mounting adapter.

② Buttonless operator comes with three color buttons (black, red, green).

③ Buttonless operator comes with all six color buttons (black, white, red, green, yellow, blue).

Non-Illuminated Pushbuttons, Flush, Momentary



Components

M22-XD-G

Button Plates ^①

Color	Inscription	Catalog Number
Black	—	M22-XD-S ^②
	Custom	M22-XD-S-ETCH ^③
	STOP	M22-XD-S-GB0
	START	M22-XD-S-GB1
	CLOSE	M22-XD-S-GB2
	UP	M22-XD-S-GB3
	DOWN	M22-XD-S-GB4
	OFF	M22-XD-S-GB5
	ON	M22-XD-S-GB6
	TEST	M22-XD-S-GB9
	FORWARD	M22-XD-S-GB15
	REVERSE	M22-XD-S-GB16
	RAISE	M22-XD-S-GB17
	LOWER	M22-XD-S-GB18
	⊙	M22-XD-S-X0
	①	M22-XD-S-X1
	②	M22-XD-S-X2
Red	+	M22-XD-S-X4
	⊖	M22-XD-S-X5
	①	M22-XD-S-X7
	—	M22-XD-R ^②
	Custom	M22-XD-R-ETCH ^③
	STOP	M22-XD-R-GB0
	OFF	M22-XD-R-GB5
Green	⊙	M22-XD-R-X0
	—	M22-XD-G ^②
	Custom	M22-XD-G-ETCH ^③
	START	M22-XD-G-GB1
	ON	M22-XD-G-GB6
Blue	①	M22-XD-G-X1
	—	M22-XD-B ^②
	Custom	M22-XD-B-ETCH ^③
	RESET	M22-XD-B-GB14
	Ⓡ	M22-XD-B-X6
White	—	M22-XD-W ^②
	Custom	M22-XD-W-ETCH ^③
	START	M22-XD-W-GB1
	①	M22-XD-W-X1
Yellow	—	M22-XD-Y ^②
	Custom	M22-XD-Y-ETCH ^③
Black, red, green	—	M22-XD-SRGR
Black, white, red, green, yellow, blue	—	M22-XD-SWRGYB

Buttonless Operator

Bezel	Catalog Number ^④
Silver	M22-D-X
Black	M22S-D-X
Silver guarded	M22-DG-X

M22-D-X



M22S-D-X



M22-DG-X



M22-K10

Contact Blocks ^①

Terminal Type	Contact Configuration ^⑤	Catalog Number
Screw	NO	M22-K10
	NO, early-make	M22-K10P
	NC	M22-K01
	NC, late-break	M22-K01D
Spring-cage	NO	M22-CK10
	NC	M22-CK01
	NC, late-break	M22-CK01D
	2NO	M22-CK20
	2NC	M22-CK02
	NO-NC	M22-CK11

Notes

- For complete listing of available button plates and contact blocks, see Accessories, Pages 96–101.
- Minimum order quantity of (10).
- 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 #__.
- Includes contact block mounting adapter.
- All NC contact blocks are positively driven contact. ⊖

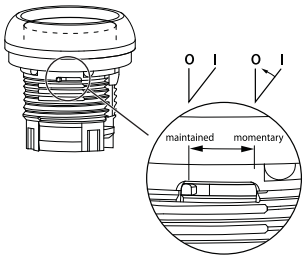
Non-Illuminated Pushbuttons, Flush, Maintained ^①

Operators Only ^②

	Bezel	Button Color	Catalog Number
 M22-DR-S	Silver	Black	M22-DR-S
		Red	M22-DR-R
		Green	M22-DR-G
		White	M22-DR-W
		Blue	M22-DR-B
		Yellow	M22-DR-Y
		③	M22-DR-X-SRG
		④	M22-DR-X-SWRGYB
 M22S-DR-S	Black	Black	M22S-DR-S
		Red	M22S-DR-R
		Green	M22S-DR-G
		White	M22S-DR-W
		Blue	M22S-DR-B
		Yellow	M22S-DR-Y
		③	M22S-DR-X-SRG
		④	M22S-DR-X-SWRGYB

Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with three color buttons (black, red, green).
- ④ Buttonless operator comes with all six color buttons (black, white, red, green, yellow, blue).



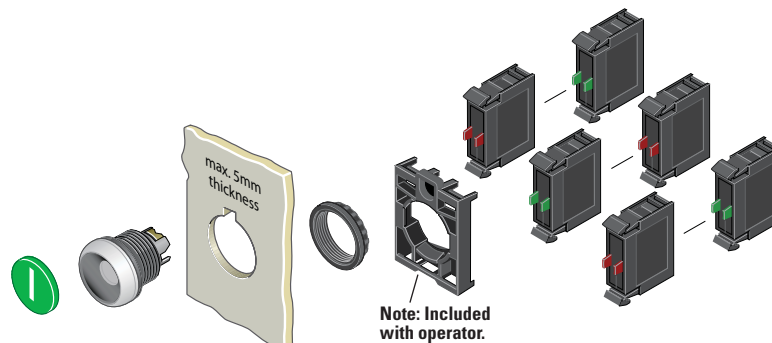
Note: This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

37.4 Pushbuttons and Indicating Lights

22.5 mm Modular Pushbuttons—M22

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Non-Illuminated Pushbuttons, Flush, Maintained ^①



Components

M22-XD-S



Button Plates ^②

Color	Inscription	Catalog Number
Black	—	M22-XD-S ^③
	Custom	M22-XD-S-ETCH ^④
	STOP	M22-XD-S-GB0
	START	M22-XD-S-GB1
	CLOSE	M22-XD-S-GB2
	UP	M22-XD-S-GB3
	DOWN	M22-XD-S-GB4
	OFF	M22-XD-S-GB5
	ON	M22-XD-S-GB6
	TEST	M22-XD-S-GB9
	FORWARD	M22-XD-S-GB15
	REVERSE	M22-XD-S-GB16
	RAISE	M22-XD-S-GB17
	LOWER	M22-XD-S-GB18
	⊙	M22-XD-S-X0
	①	M22-XD-S-X1
	②	M22-XD-S-X2
	⊕	M22-XD-S-X4
Red	⊖	M22-XD-S-X5
	①	M22-XD-S-X7
	—	M22-XD-R ^③
	Custom	M22-XD-R-ETCH ^④
	STOP	M22-XD-R-GB0
Green	OFF	M22-XD-R-GB5
	⊙	M22-XD-R-X0
	—	M22-XD-G ^③
	Custom	M22-XD-G-ETCH ^④
	START	M22-XD-G-GB1
Blue	ON	M22-XD-G-GB6
	①	M22-XD-G-X1
	—	M22-XD-B ^③
	Custom	M22-XD-B-ETCH ^④
	RESET	M22-XD-B-GB14
White	Ⓡ	M22-XD-B-X6
	—	M22-XD-W ^③
	Custom	M22-XD-W-ETCH ^④
	START	M22-XD-W-GB1
Yellow	①	M22-XD-W-X1
	—	M22-XD-Y ^③
	Custom	M22-XD-Y-ETCH ^④
Black, red, green	—	M22-XD-SRG
Black, white, red, green, yellow, blue	—	M22-XD-SWRGYB

Buttonless Operator

Bezel	Catalog Number ^⑤
Silver	M22-DR-X
Black	M22S-DR-X

M22-DR-X



M22S-DR-X



M22-K10



Contact Blocks ^②

Terminal Type	Contact Configuration ^⑥	Catalog Number
Screw	NO	M22-K10
	NO, early-make	M22-K10P
	NC	M22-K01
	NC, late-break	M22-K01D
Spring-cage	NO	M22-CK10
	NC	M22-CK01
	NC, late-break	M22-CK01D
	2NO	M22-CK20
	2NC	M22-CK02
	NO-NC	M22-CK11

Notes

- ^① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ^② For complete listing of available button plates and contact blocks, see Accessories, **Pages 96–101**.
- ^③ Minimum order quantity of (10).
- ^④ 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 #__.
- ^⑤ Includes contact block mounting adapter.
- ^⑥ All NC contact blocks are positively driven contact. ⊖

Non-Illuminated Pushbuttons, Extended, Momentary

Complete Devices

	Bezel	Button Color	Contact Block Configuration ^①	Catalog Number
 M22-DH-R-K10	Silver	Red	NO	M22-DH-R-K10
			NC	M22-DH-R-K01
			2NO	M22-DH-R-K20
			2NC	M22-DH-R-K02
			1NO-1NC	M22-DH-R-K11
 M22S-DH-R-K10	Black	Red	NO	M22S-DH-R-K10
			NC	M22S-DH-R-K01
			2NO	M22S-DH-R-K20
			2NC	M22S-DH-R-K02
			1NO-1NC	M22S-DH-R-K11
 M22-DGH-R-K10	Silver guarded	Red	NO	M22-DGH-R-K10
			NC	M22-DGH-R-K01
			2NO	M22-DGH-R-K20
			2NC	M22-DGH-R-K02
			1NO-1NC	M22-DGH-R-K11

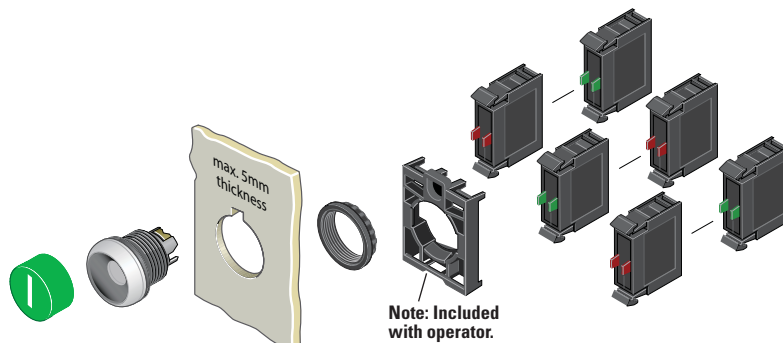
Operators Only ^②

	Bezel	Button Color	Inscription	Catalog Number
 M22-DH-R	Silver	Black	—	M22-DH-S
		Red	—	M22-DH-R
			STOP	M22-DH-R-GB0
			⊙	M22-DH-R-X0
		Green	—	M22-DH-G
		White	—	M22-DH-W
		Blue	—	M22-DH-B
		Yellow	—	M22-DH-Y
		③	—	M22-DH-X-SRG
		④	—	M22-DH-X-SWRGBYB
 M22S-DH-R	Black	Black	—	M22S-DH-S
		Red	—	M22S-DH-R
			STOP	M22S-DH-R-GB0
			⊙	M22S-DH-R-X0
		Green	—	M22S-DH-G
		White	—	M22S-DH-W
		Blue	—	M22S-DH-B
		Yellow	—	M22S-DH-Y
		③	—	M22S-DH-X-SRG
		④	—	M22S-DH-X-SWRGBYB
 M22-DGH-R	Silver guarded	Black	—	M22-DGH-S
		Red	—	M22-DGH-R
			STOP	M22-DGH-R-GB0
			⊙	M22-DGH-R-X0
		Green	—	M22-DGH-G
		White	—	M22-DGH-W
		Blue	—	M22-DGH-B
		Yellow	—	M22-DGH-Y

Notes

- ① All NC contact blocks are positively driven contact. ⊖
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with three color buttons (black, red, green).
- ④ Buttonless operator comes with all six color buttons (black, white, red, green, yellow, blue).

Non-Illuminated Pushbuttons, Extended, Momentary



Components

M22-XDH-R

Button Plates ^①

Color	Inscription	Catalog Number
Black	—	M22-XDH-S ^②
	Custom	M22-XDH-S-ETCH ^③
	STOP	M22-XDH-S-GB0
	START	M22-XDH-S-GB1
	CLOSE	M22-XDH-S-GB2
	UP	M22-XDH-S-GB3
	DOWN	M22-XDH-S-GB4
	OFF	M22-XDH-S-GB5
	ON	M22-XDH-S-GB6
	TEST	M22-XDH-S-GB9
	FORWARD	M22-XDH-S-GB15
	REVERSE	M22-XDH-S-GB16
	RAISE	M22-XDH-S-GB17
	LOWER	M22-XDH-S-GB18
	⊙	M22-XDH-S-X0
	①	M22-XDH-S-X1
	②	M22-XDH-S-X2
	+	M22-XDH-S-X4
	⊖	M22-XDH-S-X5
Red	①	M22-XDH-S-X7
	—	M22-XDH-R ^②
	Custom	M22-XDH-R-ETCH ^③
	STOP	M22-XDH-R-GB0
	OFF	M22-XDH-R-GB5
Green	⊙	M22-XDH-R-X0
	—	M22-XDH-G ^②
	Custom	M22-XDH-G-ETCH ^③
	START	M22-XDH-G-GB1
	ON	M22-XDH-G-GB6
Blue	①	M22-XDH-G-X1
	—	M22-XDH-B ^②
	Custom	M22-XDH-B-ETCH ^③
	RESET	M22-XDH-B-GB14
	Ⓡ	M22-XDH-B-X6
White	—	M22-XDH-W ^②
	Custom	M22-XDH-W-ETCH ^③
	START	M22-XDH-W-GB1
	①	M22-XDH-W-X1
Yellow	—	M22-XDH-Y ^②
	Custom	M22-XDH-Y-ETCH ^③
Black, red, green	—	M22-XDH-SRG
Black, white, red, green, yellow, blue	—	M22-XDH-SWRGYB

Buttonless Operator

Bezel	Catalog Number ^④
Silver	M22-D-X
Black	M22S-D-X
Silver guarded	M22-DG-X

M22-D-X



M22S-D-X



M22-DG-X



M22-K10

Contact Blocks ^①

Terminal Type	Contact Configuration ^⑤	Catalog Number
Screw	NO	M22-K10
	NO, early-make	M22-K10P
	NC	M22-K01
	NC, late-break	M22-K01D
Spring-cage	NO	M22-CK10
	NC	M22-CK01
	NC, late-break	M22-CK01D
	2NO	M22-CK20
	2NC	M22-CK02
	NO-NC	M22-CK11

Notes

- ^① For complete listing of available button plates and contact blocks, see Accessories, Pages 96–101.
- ^② Minimum order quantity of (10).
- ^③ When ordering, specify inscription per catalog number suffix from the Symbols Library (see Pages 114–121) into the Order Notes.
For example, M22-XDH-S-ETCH; Order Notes: Mark with symbol X91, Line item #_.
- ^④ Includes contact block mounting adapter.
- ^⑤ All NC contact blocks are positively driven contact. ⊖

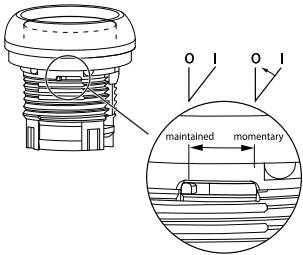
Non-Illuminated Pushbuttons, Extended, Maintained ^①

Operators Only ^②

	Bezel	Button Color	Catalog Number
 M22-DRH-W	Silver	Black	M22-DRH-S
		Red	M22-DRH-R
		Green	M22-DRH-G
		White	M22-DRH-W
		Blue	M22-DRH-B
		Yellow	M22-DRH-Y
		③	M22-DRH-X-SRG
		④	M22-DRH-X-SWRGYB
 M22S-DRH-W	Black	Black	M22S-DRH-S
		Red	M22S-DRH-R
		Green	M22S-DRH-G
		White	M22S-DRH-W
		Blue	M22S-DRH-B
		Yellow	M22S-DRH-Y
		③	M22S-DRH-X-SRG
		④	M22S-DRH-X-SWRGYB

Notes

- ① Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- ② Includes contact block mounting adapter.
- ③ Buttonless operator comes with three color buttons (black, red, green).
- ④ Buttonless operator comes with all six color buttons (black, white, red, green, yellow, blue).



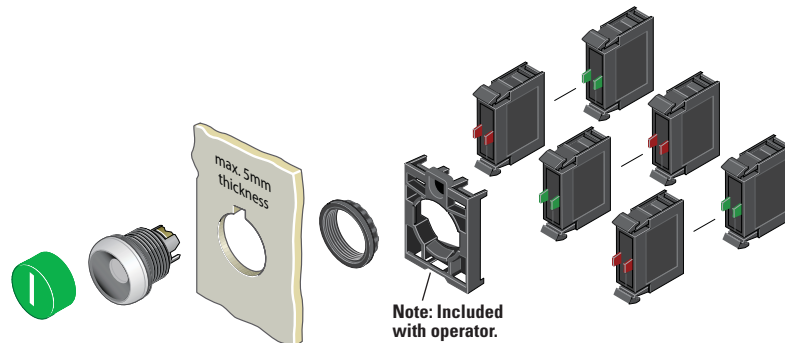
Note: This pilot device features a selectable function switch that enables the device to be set to either maintained or momentary operation.

37.4 Pushbuttons and Indicating Lights

22.5 mm Modular Pushbuttons—M22

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Non-Illuminated Pushbuttons, Extended, Maintained ^①



Components

M22-XDH-W



Button Plates ^②

Color	Inscription	Catalog Number
Black	—	M22-XDH-S ^③
	Custom	M22-XDH-S-ETCH ^④
	STOP	M22-XDH-S-GB0
	START	M22-XDH-S-GB1
	CLOSE	M22-XDH-S-GB2
	UP	M22-XDH-S-GB3
	DOWN	M22-XDH-S-GB4
	OFF	M22-XDH-S-GB5
	ON	M22-XDH-S-GB6
	TEST	M22-XDH-S-GB9
	FORWARD	M22-XDH-S-GB15
	REVERSE	M22-XDH-S-GB16
	RAISE	M22-XDH-S-GB17
	LOWER	M22-XDH-S-GB18
	Ⓢ	M22-XDH-S-X0
	Ⓛ	M22-XDH-S-X1
	Ⓜ	M22-XDH-S-X2
	Ⓟ	M22-XDH-S-X4
Red	Ⓜ	M22-XDH-S-X5
	Ⓛ	M22-XDH-S-X7
	—	M22-XDH-R ^③
	Custom	M22-XDH-R-ETCH ^④
	STOP	M22-XDH-R-GB0
	OFF	M22-XDH-R-GB5
Green	Ⓢ	M22-XDH-R-X0
	—	M22-XDH-G ^③
	Custom	M22-XDH-G-ETCH ^④
	START	M22-XDH-G-GB1
Blue	ON	M22-XDH-G-GB6
	Ⓛ	M22-XDH-G-X1
	—	M22-XDH-B ^③
	Custom	M22-XDH-B-ETCH ^④
White	RESET	M22-XDH-B-GB14
	Ⓢ	M22-XDH-B-X6
	—	M22-XDH-W ^③
	Custom	M22-XDH-W-ETCH ^④
Yellow	START	M22-XDH-W-GB1
	Ⓛ	M22-XDH-W-X1
	—	M22-XDH-Y ^③
Black, red, green	Custom	M22-XDH-Y-ETCH ^④
	—	M22-XDH-SRG
Black, white, red, green, yellow, blue	—	M22-XDH-SWRGYB

Buttonless Operator

Bezel	Catalog Number ^⑤
Silver	M22-DR-X
Black	M22S-DR-X

M22-DR-X



M22S-DR-X



M22-K10



Contact Blocks ^②

Terminal Type	Contact Configuration ^⑥	Catalog Number
Screw	NO	M22-K10
	NO, early-make	M22-K10P
	NC	M22-K01
	NC, late-break	M22-K01D
Spring-cage	NO	M22-CK10
	NC	M22-CK01
	NC, late-break	M22-CK01D
	2NO	M22-CK20
	2NC	M22-CK02
	NO-NC	M22-CK11

Notes

- Maintained pushbuttons can be converted in the field to momentary operation by switching the locking ring, which is accessible through the side of the operator body.
- For complete listing of available button plates and contact blocks, see Accessories, Pages 96–101.
- Minimum order quantity of (10).
- When ordering, specify inscription per catalog number suffix from the Symbols Library (see Pages 114–121) into the Order Notes. For example, M22-XDH-S-ETCH; Order Notes: Mark with symbol X91, Line item #_.
- Includes contact block mounting adapter.
- All NC contact blocks are positively driven contact. Ⓜ