

INCREASED SAFETY

Harmatex components

The Harmatex components range features large push button selection, with a choice of momentary or push-push actuation modes; pilot lamps and selector switches, with plastic or metal bezel.

Harmatex range offers unrivalled flexibility with a modular design accommodating up to 6 contacts per operator head.



THORNE & DERRICK
INTERNATIONAL

Thorne & Derrick
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SPARES & ACCESSORIES

Material	Metal and plastic
IP rating	IP66
Ambient temperature range	-20°C TO 65°C -20°C TO 75°C
Approvals	INERIS 02ATEX9007U (contact blocks) INERIS 04ATEX9003U (pilot lamps)
Marking	II 2 GD Ex d e IIC Gb (contact blocks) Ex e mb IIC Gb (pilot lamps) Ex tb IIIC Db

Flush push buttons



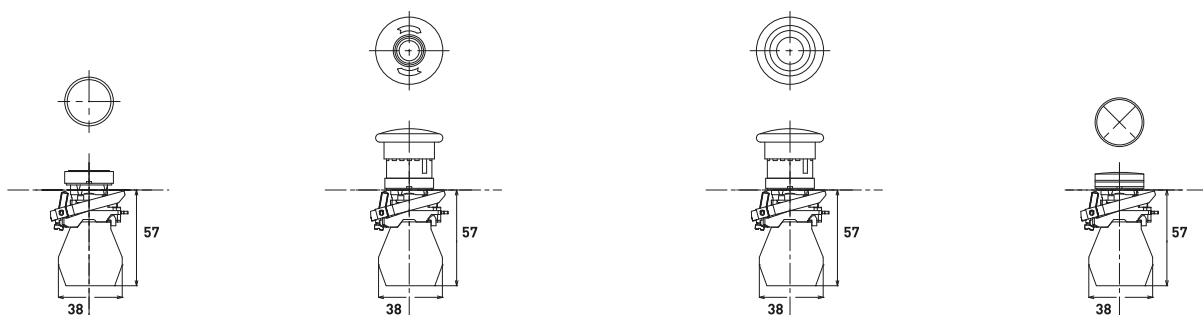
CODE	TYPE	BEZEL	COLOUR	CONTACT
B1301.500001	XBW4BA11 - MOMENTARY PUSH BUTTON	METAL	WHITE	1NO
B1301.500002	XBW4BA21 - MOMENTARY PUSH BUTTON	METAL	BLACK	1NO
B1301.500007	XBW4BA22 - MOMENTARY PUSH BUTTON	METAL	BLACK	1NC
B1301.500003	XBW4BA31 - MOMENTARY PUSH BUTTON	METAL	GREEN	1NO
B1301.500008	XBW4BA41 - MOMENTARY PUSH BUTTON	METAL	RED	1NO
B1301.500004	XBW4BA42 - MOMENTARY PUSH BUTTON	METAL	RED	1NC
B1301.500005	XBW4BA51 - MOMENTARY PUSH BUTTON	METAL	YELLOW	1NO
B1301.500006	XBW4BA61 - MOMENTARY PUSH BUTTON	METAL	BLUE	1NO

Projecting push buttons



CODE	TYPE	BEZEL	COLOUR	CONTACT
B1301.517001	XBW4BL11 - MOMENTARY PUSH BUTTON	METAL	WHITE	1NO
B1301.517002	XBW4BL21 - MOMENTARY PUSH BUTTON	METAL	BLACK	1NO
B1301.517003	XBW4BL31 - MOMENTARY PUSH BUTTON	METAL	GREEN	1NO
B1301.517004	XBW4BL42 - MOMENTARY PUSH BUTTON	METAL	RED	1NC
B1301.517005	XBW4BL51 - MOMENTARY PUSH BUTTON	METAL	YELLOW	1NO
B1301.517006	XBW4BL61 - MOMENTARY PUSH BUTTON	METAL	BLUE	1NO

Dimensions HARMATEX

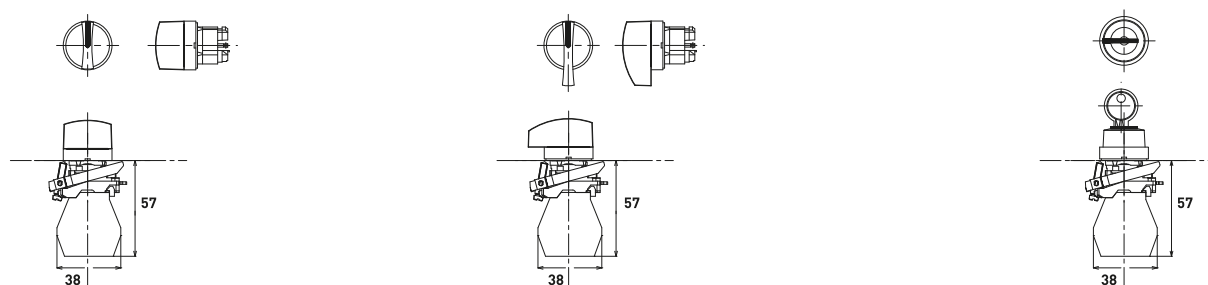


Pushbutton

**Mushroom Pushbutton
Twist to release**

**Emergency Stop
Mushroom Pushbutton**

Pilot light



**Selector switches
with standard handle**

**Selector switches
with long handle**

Key selector switches

Push buttons with silicone boot



CODE	TYPE	BEZEL	COLOUR	CONTACT
B1301.518001	XBW4BP11S - MOMENTARY PUSH BUTTON	METAL	WHITE	1NO
B1301.518002	XBW4BP21S - MOMENTARY PUSH BUTTON	METAL	BLACK	1NO
B1301.000002	XBW4BP31S - MOMENTARY PUSH BUTTON	METAL	GREEN	1NO
B1301.000001	XBW4BP42S - MOMENTARY PUSH BUTTON	METAL	RED	1NC
B1301.518005	XBW4BP51S - MOMENTARY PUSH BUTTON	METAL	YELLOW	1NO
B1301.518006	XBW4BP61S - MOMENTARY PUSH BUTTON	METAL	BLUE	1NO



B1301.518013	XBW5AP11S - MOMENTARY PUSH BUTTON	PLASTIC	WHITE	1NO
B1301.518014	XBW5AP21S - MOMENTARY PUSH BUTTON	PLASTIC	BLACK	1NO
B1301.518016	XBW5AP31S - MOMENTARY PUSH BUTTON	PLASTIC	GREEN	1NO
B1301.518019	XBW5AP42S - MOMENTARY PUSH BUTTON	PLASTIC	RED	1NC
B1301.518024	XBW5AP51S - MOMENTARY PUSH BUTTON	PLASTIC	YELLOW	1NO
B1301.518023	XBW5AP61S - MOMENTARY PUSH BUTTON	PLASTIC	BLUE	1NO

Stop mushroom push button



CODE	TYPE	BEZEL	COLOUR	CONTACT
B1301.501001	XBW4BC21 - MOMENTARY MUSHROOM	METAL	BLACK	1NO
B1301.501002	XBW4BC31 - MOMENTARY MUSHROOM	METAL	GREEN	1NO
B1301.501003	XBW4BC42 - MOMENTARY MUSHROOM	METAL	RED	1NC
B1301.501004	XBW4BC51 - MOMENTARY MUSHROOM	METAL	YELLOW	1NO
B1301.501005	XBW4BC61 - MOMENTARY MUSHROOM	METAL	BLUE	1NO

B1301.522002	XBW5AC21 - MOMENTARY MUSHROOM	PLASTIC	BLACK	1NO
B1301.522003	XBW5AC31 - MOMENTARY MUSHROOM	PLASTIC	GREEN	1NO
B1301.522004	XBW5AC42 - MOMENTARY MUSHROOM	PLASTIC	RED	1NC
B1301.522005	XBW5AC51 - MOMENTARY MUSHROOM	PLASTIC	YELLOW	1NO
B1301.522006	XBW5AC61 - MOMENTARY MUSHROOM	PLASTIC	BLUE	1NO

Emergency stop mushroom push buttons



CODE	TYPE	BEZEL	CONTACT
B1301.519001	XBW4BS142 - MUSHROOM TWIST T.R. WITH KEY	METAL	1NC
B1301.520001	XBW4BS542 - MUSHROOM TWIST T.R.	METAL	1NC



B1301.522007	XBW5AS142 - MUSHROOM TWIST T.R. WITH KEY	PLASTIC	1NC
B1301.522009	XBW5AS542 - MUSHROOM TWIST T.R.	PLASTIC	1NC

Pilot lights 24V to 245V AC/DC



CODE	TYPE	BEZEL	COLOUR
B1301.526001	XLW4BV013 - PILOT LIGHT	METAL	WHITE
B1301.526002	XLW4BV033 - PILOT LIGHT	METAL	GREEN
B1301.526003	XLW4BV043 - PILOT LIGHT	METAL	RED
B1301.526004	XLW4BV053 - PILOT LIGHT	METAL	YELLOW
B1301.526005	XLW4BV063 - PILOT LIGHT	METAL	BLUE



B1301.526006	XLW5AV013 - PILOT LIGHT	PLASTIC	WHITE
B1301.526008	XLW5AV033 - PILOT LIGHT	PLASTIC	GREEN
B1301.526010	XLW5AV043 - PILOT LIGHT	PLASTIC	RED
B1301.526012	XLW5AV053 - PILOT LIGHT	PLASTIC	YELLOW
B1301.526014	XLW5AV063 - PILOT LIGHT	PLASTIC	BLUE

Selector switches with standard handle



CODE	TYPE	BEZEL	POSITIONS	CONTACT
B1301.502001	XBW4BD21 - STAY PUT	METAL	2	1NO
B1301.506001	XBW4BD41 - SPRING RETURN	METAL	2	1NO
B1301.504001	XBW4BD33 - STAY PUT	METAL	3	1NO+1NO
B1301.508001	XBW4BD53 - SPRING RETURN TO CENTER	METAL	3	1NO+1NO
B1301.510001	XBW4BD73 - SPRING RETURN FROM LEFT	METAL	3	1NO+1NO
B1301.512001	XBW4BD83 - SPRING RETURN FROM RIGHT	METAL	3	1NO+1NO

B1301.516008	XBW5AD21 - STAY PUT	PLASTIC	2	1NO
B1301.516014	XBW5AD41 - SPRING RETURN	PLASTIC	2	1NO
B1301.500009	XBW5AD33 - STAY PUT	PLASTIC	3	1NO+1NO
B1301.516016	XBW5AD53 - SPRING RETURN TO CENTER	PLASTIC	3	1NO+1NO
B1301.516019	XBW5AD73 - SPRING RETURN FROM LEFT	PLASTIC	3	1NO+1NO
B1301.516021	XBW5AD83 - SPRING RETURN FROM RIGHT	PLASTIC	3	1NO+1NO

Selector switches with long handle



CODE	TYPE	BEZEL	POSITIONS	CONTACT
B1301.516001	XBW4BJ21 - STAY PUT	METAL	2	1NO
B1301.516003	XBW4BJ41 - SPRING RETURN	METAL	2	1NO
B1301.516002	XBW4BJ33 - STAY PUT	METAL	3	1NO+1NO
B1301.516004	XBW4BJ53 - SPRING RETURN TO CENTER	METAL	3	1NO+1NO
B1301.516005	XBW4BJ73 - SPRING RETURN FROM LEFT	METAL	3	1NO+1NO
B1301.516006	XBW4BJ83 - SPRING RETURN FROM RIGHT	METAL	3	1NO+1NO

Key selector switches



CODE	TYPE	BEZEL	POSITIONS	KEY WITHDRAWAL	CONTACT
B1301.514005	XBW4BG21 - STAY PUT	METAL	2	LEFT	1NO
B1301.514007	XBW4BG41 - STAY PUT	METAL	2	LEFT - RIGHT	1NO
B1301.514020	XBW4BG61 - SPRING RETURN FROM RIGHT	METAL	2	LEFT	1NO
B1301.514001	XBW4BG03 - STAY PUT	METAL	3	LEFT - 0 - RIGHT	1NO+1NO
B1301.514006	XBW4BG33 - STAY PUT	METAL	3	0	1NO+1NO
B1301.514008	XBW4BG53 - STAY PUT	METAL	3	LEFT - RIGHT	1NO+1NO
B1301.514012	XBW4BG93 - STAY PUT	METAL	3	LEFT	1NO+1NO
B1301.514003	XBW4BG093 - STAY PUT	METAL	3	RIGHT	1NO+1NO
B1301.514004	XBW4BG13 - SPRING RETURN FROM LEFT	METAL	3	0	1NO+1NO
B1301.514010	XBW4BG73 - SPRING RETURN TO CENTER	METAL	3	0	1NO+1NO
B1301.514011	XBW4BG83 - SPRING RETURN FROM RIGHT	METAL	3	0	1NO+1NO
B1301.514002	XBW4BG083 - SPRING RETURN FROM RIGHT	METAL	3	LEFT	1NO+1NO

Contacts

CODE	TYPE	CONTACT
B1307.000369	ZBWE101 - NORMALLY OPEN CONTACT	NO
B1307.000366	ZBWE102 - NORMALLY CLOSE CONTACT	NC



Rated operational characteristics

ITH MAX. 10A	AC-15		DC-13		Ui max. (V)
	Ue (V)	Ie max. (A)	Ue (V)	Ie max. (A)	
	120	6	24	2,87	415
	240	3	125	0,55	
	380	1,9	250	0,27	

Lamps

CODE	TYPE
B1307.000244	ZBWV1 SPARE PILOT LIGHT BODY WHITE, RED, YELLOW, BLUE
B1307.000245	ZBWV3 SPARE PILOT LIGHT BODY FOR GREEN



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