

ø30 TWN/TWND Selection Guide

Function	Pushbutton					
Category	Flush		Extended		Extended with Half Shroud	
	Momentary/Maintained		Momentary/Maintained		Momentary/Maintained	
Shape						
Model	ABN1 AON1	ABD1 AOD1	ABN2 AON2	ABD2 AOD2	ABN2G AON2G	ABGD2 AOGD2
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Function	Pushbutton					
Category	Extended with Full Shroud		Mushroom		Mushroom with Full Shroud	
	Momentary/Maintained		Momentary/Maintained		Momentary/Maintained	
Shape						
Model	ABN2F AON2F	ABFD2 AOFD2	ABN3 AON3	ABD3 AOD3	ABN3G —	ABGD3 AOGD3
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Function	Pushbutton					
Category	Jumbo Mushroom		Jumbo Mushroom with Shallow Shroud		Jumbo Mushroom with Deep Shroud	
	Momentary		Momentary		Momentary	
Shape						
Model	ABN4	ABD4	ABN4G	ABGD4	ABN4F	ABFD4
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Function	Pushbutton					
Category	Mushroom Pushlock Turn Reset (*1)		Mushroom Push Turn Lock		Mushroom Pull	
Shape						
Model	AVN3	AVD3	AJN3	AJD3	AZN3	AZD3
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Function	Pushbutton			
Category	Mushroom Push-Pull		Pin Lock	
Shape	—		—	
Model	—	AYD3	—	ABD8P
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*1) Cannot be used as emergency stop switch based on ISO 13850 and IEC 60947-5-5.

Maintenance Parts

All dimensions in mm.

Shape	Description	Part No.	Ordering No.	Package Quantity	Remarks
Contact block HW-U 	NO contact	HW-U10	HW-U10	1	Housing color: Blue Push rod color: Green MAU has gold contacts
		HW-U10-MAU	HW-U10-MAU		
	NC contact	HW-U01	HW-U01	1	Housing color: Reddish purple Push rod color: Red MAU has gold contacts
		HW-U01-MAU	HW-U01-MAU		
	EM contact (early make)	HW-U10R	HW-U10R	1	Housing color: Blue Push rod color: Black MAU has gold contacts
		HW-U10R-MAU	HW-U10R-MAU		
Dummy Block 	Polyamide	HW-DB	HW-DBPN10	10	<ul style="list-style-type: none"> For HW-U contact blocks Used when the number of contact blocks and full voltage adapters is 1 or 3.
Full Voltage Adapter For Illuminated Switches (*1) 	Polyamide	HW-GA1N	HW-GA1NPN02	2	<ul style="list-style-type: none"> Applicable model: Illuminated pushbuttons Illuminated selector switches Applicable load (LED lamp) LSRD-6, LSTD-6 (6V AC/DC) LSRD-1, LSTD-1 (12V AC/DC) LSRD-2, LSTD-2 (24V AC/DC)
Transformer Unit For Illuminated Switches (*1) 	100/110V AC	HW-T16	HW-T16	1	<ul style="list-style-type: none"> Applicable model: Illuminated pushbuttons Illuminated selector switches Applicable load (LED lamp) LSRD-6, LSTD-6 (6V AC/DC)
	200/220V AC	HW-T26	HW-T26	1	
Transformer Unit For Pilot Lights (*1) 	100/110V AC	TWR-016B	TWR-016B	1	<ul style="list-style-type: none"> Mounting screws are not included. See B-347 for mounting screws. Applicable load (LED lamp) LSRD-6, LSTD-6 (6V AC/DC)
	200/220V AC	TWR-026B	TWR-026B	1	

*1) For use as maintenance parts. Do not use for expansion or remodelling purposes.

LED Lamps (Use LED lamps for replacing incandescent lamps)

Model	Operating Voltage	Current Draw		Part No.	Ordering No.	Color Code	Package Quantity	Base
		DC	DC					
LSRD 	6V AC/DC	10mA	14mA	LSRD-6	LSRD-6	—	1	BA9S /13
					LSRD-6PN10		10	
				LSRD-1	LSRD-1		1	
	12V AC/DC	7mA	8mA	LSRD-1	LSRD-1PN10		10	
					LSRD-2		1	
				LSRD-2	LSRD-2PN10		10	
LSTD 	6V AC/DC	7mA (R, A, W) 5.5mA (G, PW) 4.5mA (S)	8mA (except S) 7mA (S)	LSTD-6*	LSTD-6*	R, G, A, W, S, PW	1	BA9S /13
					LSTD-6*PN10		10	
				LSRD-1*	LSTD-1*		1	
	12V AC/DC	10mA (except S) 8mA (S)	11mA (except S) 9mA (S)	LSTD-1*	LSTD-1*PN10		10	
					LSTD-2*		1	
				LSTD-2*	LSTD-2*PN10		10	
LETD 	6V AC/DC	14mA (R, A, W) 5.5mA (G, S, PW)	17mA (R, A, W) 8mA (G, S, PW)	LETD-6*	LETD-6*	R, G, A, W, S, PW	1	E12 /15
					LETD-6*PN10		10	
				LETD-8*	LETD-8*		1	
	12V AC/DC	6.5mA (10mA: at 15V)	7mA (11mA: at 15V)	LETD-8*	LETD-8*PN10		10	
					LETD-2*		1	
				LETD-2*	LETD-2*PN10		10	

- Only one color is available for LSRD so there are no codes to specify the color in the part no.
- Specify a color code in place of * in Part No. R (red), G (green), A (amber), W (white), S (blue), PW (pure white)
- Use a PW (pure white) LED for Y (yellow) illumination.
- When replacing the LED with LSRD, the lens must also be replaced (see **B-341**).