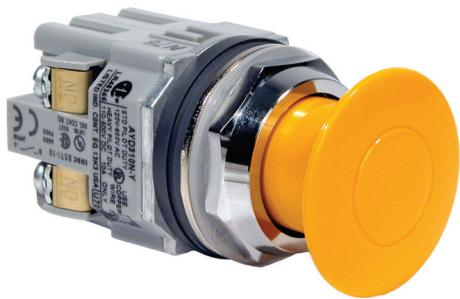


Stop Switches (Assembled)



Assembled Stop Switches

A V (L) D 3 (99) 11 (D) N - R - (24V)

Function

V: Pushlock Turn Reset
Y: Push-Pull

Illumination

Blank: None
L: Illuminated

Series Designation

D: TWTD Series

Button/Lens Size

3: 40mm Mushroom

Illumination Circuit

- 99: Full Voltage (lamp determines voltage)
- 126: 120V AC Step Down Transformer
- 246: 240V AC Step Down Transformer
- 486: 480V AC Step Down Transformer

Lamp Voltage

(full voltage illuminated units only)

- 6V: 6V AC/DC
- 12V: 12V AC/DC
- 24V: 24V AC/DC
- 120V: 120V AC (LED only)
- 240V: 240V AC (LED only)

Button/Lens Color Code

- A: Amber
- G: Green
- R: Red
- S: Blue
- W: White
- Y: Yellow

Lamp Type

(illuminated units only)

- Blank: Incandescent
- D: LED

Contact Arrangement

- | | |
|-------------|-------------|
| 10: 1NO | 01: 1NC |
| 20: 2NO | 02: 2NC |
| 11: 1NO-1NC | 22: 2NO-2NC |



- 1. Use only when interpreting part numbers. Do not use for developing part numbers.
- 2. Custom contact configurations available, contact IDEC for details.

Stop Switches (Assembled)

Stop Switches

Style	Contacts	Part Number
ø 40mm Pushlock Turn Reset  Non-Illuminated	1NO 1NC 1NO-1NC 2NO 2NC	AVD310N-R* AVD301N-R* AVD311N-R* AVD320N-R* AVD302N-R*
ø 40mm Illuminated Pushlock Turn Reset 	1NO-1NC 2NO 2NC	AVLD39911ⓈN-R-③* AVLD39920ⓈN-R-③* AVLD39902ⓈN-R-③*
ø 40mm Push-Pull  Non-Illuminated	1NO 1NC 1NO-1NC 2NO 2NC	AYD310N-① AYD301N-① AYD311N-① AYD320N-① AYD302N-①
ø 40mm Push-Pull 	1NO-1NC 2NO 2NC	AYLD39911ⓈN-②-③** AYLD39920ⓈN-②-③** AYLD39902ⓈN-②-③**
ø 40mm Momentary Push-Pull (3-position) 	1NO-1NC 1NC-1LB†	AYLD229911ⓈN-②-③-TK962 AYLD229902SⓈN-②-③-TK962
	1NO-1NC 1NC-1LB†	AYLD22 ④ 11ⓈN-②-TK962 AYLD22 ④ 02SⓈN-②-TK962

Unibody E-Stops

Style	Contacts	Part Number
ø 40mm Pushlock Turn Reset (available in Red only) 	1NO-1NC 2NC	HN1E-BV4F11-R* HN1E-BV4F02-R*
Illuminated ø 40mm Pushlock Turn Reset (available in Red only) 	1NO-1NC 2NC	HN1E-LV4F11QⓈ-R-③ HN1E-LV4F02QⓈ-R-③



- In place of ①, specify the button color code
- In place of ②, specify the lens color code.
- In place of ③, specify the Full Voltage (lamp voltage) Code.
- In place of ④, specify the transformer voltage code.
- In place of ⑤, specify the Lamp Type code.
- With single unit construction, the positive action contacts are integrated in the body of the switch. This provides an extra degree of safety and reliability for critical emergency stop functions.
- HN1E series E-stops comply with the IEC "E-Stop Addendum to the Low Voltage Directive," this includes "tamper proof" operation whereby a change of contact state is not possible by "teasing" or "floating" the operator.
- 3 position push-pull available in spring return to center only.
- *Available in red only.
- **Not available in blue.
- The most common configuration for motor starting applications.
- For sub-assembly part numbers, see next page.
- For nameplates and accessories, see page 744 and page 742.
- For dimensions, see page 747.

3 Position Push-Pull†

Contact	Push	Center	Pull
NC (BST-001)	0	0	X
NC-LB (BST-001S)	0	X	X
NO (BST-010)	X	0	0
NO-EM (BST-010S)	X	X	0

① Button Color Codes

Color	Code
Black	B
Green	G
Red	R
Blue	S
Yellow	Y

② LED/Lens Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W

③ Full Voltage Codes

Voltage	Code
6V AC/DC	6V
12V AC/DC	12V
24V AC/DC	24V
120V AC	120V
240V AC	240V (LED only)

④ Transformer Voltage Codes

Voltage	Code
120VAC	126
240VAC	246
480VAC	486



Transformers step down to 6V.

⑤ Lamp Type Codes

Lamp	Code
Incandescent	Blank
LED	D

Stop Switches (Sub-Assembled)



* Not required for full voltage units (full voltage clips used instead).

Operators

Style	Part Number
ø40mm Pushlock Turn Reset	AVD-300
Illuminated ø40mm Pushlock Turn Reset	AVLD3-0600N
ø40mm Push-Pull	AYD-3100
Illuminated ø 40mm Push-Pull	2 pos AYLD-0600 3 pos AYLD22TK962-0B01

Buttons and Lenses

Style	Part Number
Button for Pushlock Turn Reset Stop Switches (ø40mm, red only)	AVN3B-R
Lens for Illuminated Pushlock Turn Reset Stop Switches (ø40mm, red only)	AVLN3LU-R
Button for Push-Pull Stop Switches (ø40mm)	AYD3BN-①
Lens for Illuminated Push-Pull Stop Switches (ø40mm)	2 pos* AYLD3L-② 3 pos AYLD2L-②

1. In place of ①, specify the Button Color Code. (See table below)
 2. In place of ②, specify the LED Color Code.
 3. *Not available in blue.

Lamps

Style	Voltage	Part Number
LED	6V AC/DC	LSTD-6②
	12V AC/DC	LSTD-1②
	24V AC/DC	LSTD-2②
	120V AC	LSTD-H2②
	240V AC	LSTD-M4②
Incandescent	6V AC/DC	IS-6
	12V AC/DC	IS-12
	24V AC/DC	IS-24
	120V AC	L-120L

1. In place of ②, specify the LED color code.
 2. The LED contains a current-limiting resistor and a protection diode.

① Button Color Codes

Color	Code
Black	B
Green	G
Red	R
Blue	S
Yellow	Y

② LED Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W

Contact Blocks

Style	Part Number	
	1NO	1NC
All Control Units	BST-010 BST-010S (early make)	BST-001 BST-001S (late break)
Dummy Block	BST-D	

1. Dummy blocks (no contacts) are used with an odd number of contact blocks.
 2. Combining BST-010S and BST-001S result in overlapping contacts.

Full Voltage Clips

Primary Voltage (50/60Hz)	Part Number
Full Voltage Clips (2 required for each unit)	APD-F

Transformers

Style	Primary Voltage (50/60Hz)	Part Number
	120V AC	TWD-0126
	240V AC	TWD-0246
	480V AC	TWD-0486

6V secondary voltage (uses 6V lamp).

Pilot Lights (Assembled)



Assembled Pilot Lights

Function
P: Pilot Light

Series Designation
D: TWTD Series

Lens Shape
1: Dome

Rated Operational Voltage (Primary)
Transformer Type Full Voltage Type
126: 120V AC 99: Full Voltage
246: 240V AC
486: 480V AC

Lamp Voltage
(full voltage illuminated units only)
6V: 6V AC/DC
12V: 12V AC/DC
24V: 24V AC/DC
120V: 120V AC (LED only)
240V: 240V AC (LED only)

Lens Color Code
A: Amber
G: Green
R: Red
S: Blue
W: White
Y: Yellow

Lamp Type
Blank: Incandescent
D: LED

Part Number
A P D 1 126 D N - R - ()

Use only when interpreting part numbers. Do not use for developing part numbers.

LED and Incandescent Pilot Lights

Style	Operating Voltage	Part Number	
		LED	Incandescent
	120V AC	APD1126DN-②	APD1126N-②
	240V AC	APD1246DN-②	APD1246N-②
	480V AC	APD1486DN-②	APD1486N-②
	—	APD199DN-②-③	APD199N-②-③

-
1. In place of ②, specify the Lens/LED Color Code.

2. In place of ③, specify the Full Voltage Code (lamp voltage).

3. Yellow pilot light comes with white LED.

② Lens Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y

③ Full Voltage Codes

Voltage	Code
6V AC/DC	6V
12V AC/DC	12V
24V AC/DC	24V
120V AC	120V
240V AC	240V (LED only)