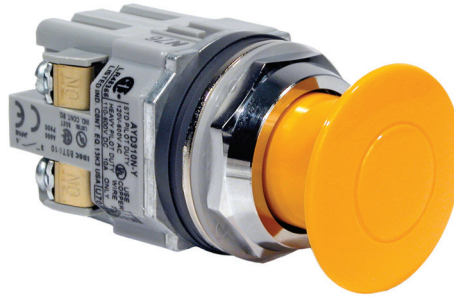


Stop Switches (Assembled)



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  Full Voltage	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  Full Voltage	1NO-1NC 2NO 2NC	AYLD39911ⓈN-②-③** AYLD39920ⓈN-②-③** AYLD39902ⓈN-②-③**
ø 40mm Momentary Push-Pull (3-position)  Full Voltage	1NO-1NC 1NC-1LB†	AYLD229911ⓈN-②-③-TK962 AYLD229902SⓈN-②-③-TK962
ø 40mm Momentary Push-Pull (3-position)  Transformer	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)