EAT•N

Commercial Controls
Sealed Vehicle Rocker (SVR)

Product Focus

Description

The Sealed Vehicle Rocker (SVR) switch from Eaton's Electrical business now offers an above panel actuator style in addition to the below panel and paddle actuators. Designed to meet the severe environmental requirements of the construction and agricultural vehicle markets, the SVR is sealed at the front and back of the switch, and meets the rigorous sealing requirements of IP68. The small switch footprint minimizes the space taken on switch panels. SVR switches are assembled into panels by pressing the switch through the top of the panel, and are held in place by retention tabs molded

Below (left) and above (right) panel rocker switch styles

into the body of the switch; mounting hardware or special tools are not necessary.

The SVR is offered in single- and double-pole switch circuits, with 2- and 3-position momentary and maintained circuits available. Switch and illumination circuits are terminated with 2.8 mm (0.11 inch) tin-plated copper alloy spade terminals. The SVR connector can be loaded with the appropriate terminals and/or wire seals to accomplish sealing at the back end of the switch.

Specifications

Electrical Life
- Standard Plating:
  50,000 operations at 12 amperes at either 12 or 24 Vdc. Life cycle testing conducted using both inductive and resistive loads.
- Gold Plating:
  250,000 operations at 10 mA at either 12 or 24 Vdc.

Mechanical Life
250,000 operations minimum.

Dielectric Strength
1500 volts rms minimum.

Operate Force
4.4 – 13.2 N (1 – 3 lbs.) depending on circuit configuration and actuator style.

Operating Temperature Range
-40°C to +85°C

Storage Temperature Range
-40°C to +85°C

Circuits
1- or 2-pole, 2- or 3-position, with momentary and maintained capabilities.

Standard Circuit Options
- ON – NONE – ON
- ON – OFF – ON
- ON* – OFF – ON*
- ON* – OFF – ON
- ON – ON – ON
- ON* – NONE – ON
- ON* – ON – ON*
- ON* – ON – ON

(* = Momentary. See circuit schematics on Page 6)

Above panel rocker switch with two white snap-in lenses and amber LED

Contact Material
- Movable:
  Copper alloy with silver alloy contact surface.
- Stationary:
  Silver-plated copper alloy with silver alloy contact surface.
- Gold-plated:
  Contacts are available for low level electrical loads.

Terminal Type
- Standard 2.8 mm (0.11 inch) tin-plated copper alloy spade terminal.
- Mates to AMP Junior Power Timer Terminals —

Below panel rocker switch with daylight white icon and red LED

Catalog Numbers **927766-3** (14 – 16 gauge) and **927770-3** (18 – 20 gauge). *(See also Sealing section below for additional AMP components to seal the connector interface.)*

Plastic Component UL® File Numbers
- Base material:
  UL94 V-O
- Frame material:
  UL94 H-B
- Sub-actuator material:
  UL94 V-O
- Actuator material:
  - UL94 V-2 (below panel rocker button and paddle actuator)
  - UL94 V-0 (above panel rocker button)

Mounting Means
Snap-in mounting using four flexible plastic retainers integral with switch frame.

Mounting Hole
Standard panel cutout of 36.8 x 21.1 mm (1.45 x 0.83 inches). *(See panel opening drawing on Page 8.)*

Panel Thickness
1.0 to 4.0 mm (0.04 to 0.16 inches). Best results obtained between 1.5 to 3.0 mm (0.06 to 0.12 inches).

Sealing
SVR design includes a sealed contact chamber with dust and water resistance to IP68. The

Below panel rocker switch with daylight white icons (left) and above panel rocker switch with two snap-in lenses (right)

harness connection can also be sealed by using AMP wire seals Catalog Numbers **828905-1** (14 – 16 gauge) or **828904-1** (18 – 20 gauge) to seal the wires to the connector. For an application where a connector cavity is not being used, it can be sealed with AMP sealing plug Catalog Number **828922-1**.

The above panel version may also be sealed to the panel using panel seal Catalog Number **32-2245**. *(See drawing on Page 8.)*

Actuator

The SVR switch family includes three styles of actuators: above panel, below panel and paddle. Switch performance and specifications are the same for all actuator styles. All actuators are replaceable and can be snapped on and off the switch. Black is standard, but other colors are also available. Matte finish is standard on all actuator styles, matching the finish on the bezels and all other visible SVR switch features and accessories. All actuators can be ordered either pre-assembled to the switch or as separate part numbers.

Actuator Styles

• Above panel rocker button offers new styling and a larger surface area. Eaton can offer assistance with unique designs of above panel actuators for applications where differentiation is desired.

• Below panel rocker button is the same two-faced European styling that has been offered for SVR since its initial release. Indicator style matches the below panel rocker button style.

• Paddle actuator allows toggle-type actuation of the SVR switch.

Backlighting

• Each switch can accommodate up to two LEDs which can be connected to be either circuit dependent or independent. *(See illumination circuit schematics on Page 7.)*

• Standard LED color is amber, with red, green and blue also available. Long life (100,000 hours) LEDs are standard.

Below panel rocker switch with daylight white icon

• Standard LED voltages are 12 and 24 Vdc.

• The below panel rocker button style includes a single-piece back-lit actuator with laser-etched icons in either daylight white or deadfront styles. Without illumination, the icon is either daylight white or deadfront, but will change to the color of the chosen light source when illuminated. *(See picture examples on Page 7.)*

Snap-in Lenses

• Above and below panel rocker buttons are available with or without one or two translucent lenses. Five standard lens colors are available: white, red, green, blue and amber.

Icons

• Icon areas are provided on each end of the rocker button. Icons may be illuminated or non-illuminated, and are pad-printed in a contrasting color either directly on the rocker button or the lens. *(See examples of icons on Page 11.)*

Additional Options

• Additional colors of actuators, mounting bezels and lenses.

• Special circuits.

• Special ratings.

• Pad printing on the below panel switch bezel.

• Low current capabilities.

• Custom back-lit icons.

• Gang-mount system including end bezel Catalog Number **17-22146** and center bezel **17-22152**. *(See drawing on Page 10.)*

• Palm Guard (below panel switch only) at either or both ends of the switch frame. *(See drawing on Page 9.)*

• Indicators with insertable lenses. *(See drawing on Page 9.)*

• Polarized lock-on connector Catalog Number **25-13936**. *(See drawing on Page 10.)*

• Panel plug with connector retention feature Catalog Number **17-22145**. *(See drawing on Page 10.)*

• Non-illuminated below panel paddle actuator. *(See drawing on Page 9 and picture below.)*

Note: Contact your Eaton sales representative for additional information on options.

Catalog Part Number

The SVR part numbering system allows all product features to be captured in either a 15-digit part number (switch and actuator), a 6-digit part number (basic switch alone) or a 9-digit part number (actuator alone). *(See How to Order tables on Pages 4 and 5.)*

Paddle actuator switch (below panel only)

How to Order

To determine the complete SVR part number for an above panel rocker switch with and/or without actuator.

ABOVE PANEL ROCKER SWITCH

S AC M 2X D G AQ X XX X X

Switch Series	Frame
1 Digit	**1 Digit**
S = SVR	**M** = Standard

Actuator Style

1 Digit

X = None
C = No Lens
D = Top/Left Lens Only
E = Bottom/Right Lens Only
F = Top/Left and Bottom/Right Lenses

Lens Color (Top/Left)

1 Digit

X = None
R = Red
G = Green
B = Blue
A = Amber
W = White

Icon (Bottom/Right)

2 Digits

XX = None
See Icon Table on Page 11

Special Feature

1 Digit

X = None
For Eaton use only

Switch Circuits/Illumination Circuits

1st Digit (Circuit)	2nd Digit (Illumination)	
A = ON – NONE – ON	**1-Pole**	**Illumination**
C = ON – NONE – ON (Gold Plated)	A	None
D = ON – OFF – ON	C	Top/Left (D)
E = ON – OFF – ON (Gold Plated)	D	Bottom/Right (D)
F = ON* – OFF – ON*	E	Top/Left (I)
G = ON* – OFF – ON* (Gold Plated)	F	Bottom/Right (I)
H = ON* – OFF – ON	G	Top/Left (D)/ Bottom/Right (I)
J = ON* – OFF – ON (Gold Plated)	H	Top/Left (I)/ Bottom/Right (D)
K = ON – ON – ON ①	J	Top/Left (D)/ Bottom/Right (D)
L = ON – ON – ON (Gold Plated) ①	K	Top/Left (I)/ Bottom/Right (I)
M = ON* – NONE – ON	**2-Pole**	**Illumination**
P = ON* – NONE – ON (Gold Plated)	R	None
R = ON* – ON – ON* ①	S	Top/Left (D)
S = ON* – ON – ON* (Gold Plated) ①	T	Bottom/Right (D)
T = ON* – ON – ON ①	U	Top/Left (I)
U = ON* – ON – ON (Gold Plated) ①	V	Bottom/Right (I)
	W	Top/Left (D)/ Bottom/Right (I)
	Y	Top/Left (I)/ Bottom/Right (D)
	3	Top/Left (D)/ Bottom/Right (D)
	4	Top/Left (I)/ Bottom/Right (I)

① Double-pole only. *(See Switch Circuit Schematics on Page 6 and Illumination Circuit Schematics on Page 7.)*

* = Momentary. (I) = Independent. (D) = Dependent.

LED (Top/Left) | **LED (Bottom/Right)**

1 Digit	**1 Digit**
X = None	**X** = None

14 V Standard

J = Red
K = Green
L = Amber (Standard)
M = Blue

14 V Over/Reverse Voltage Protection

1 = Red
2 = Green
3 = Amber (Standard)
7 = Blue

28 V Standard

E = Red
F = Green
G = Amber (Standard)
H = Blue

28 V Over/Reverse Voltage Protection

4 = Red
5 = Green
6 = Amber (Standard)
8 = Blue

LED Wavelengths:

Red = ~ 630 nm **Amber** = ~ 592 nm
Green = ~ 526 nm **Blue** = ~ 472 nm

Icon (Top/Left)

2 Digits

XX = None
See Icon Table on Page 11

Lens Color (Bottom/Right)

1 Digit

X = None
R = Red
G = Green
B = Blue
A = Amber
W = White

Special Feature

1 Digit

X = None
For Eaton use only

Above panel rocker switch with two white snap-in lenses and amber LED

Examples

SG4MKK — Above Panel Basic Switch Only — 2-pole ON* – OFF – ON* gold-plated circuit with dual green 14 volt independent LEDs.

DGAQXXXXX — Above Panel Actuator Only — Actuator with green snap-in lens on top and AQ icon pad-printed in white.

SACM2XDGAQXXXXX — Above Panel Switch with Actuator Assembled — 1-pole ON – NONE – ON with single 14 volt green dependent LED with over/reverse voltage protection on top, Actuator with green snap-in lens on top and AQ icon pad-printed in white.

Notes

Standard color for pad printing RED, GREEN and BLUE lens will be WHITE.

Standard color for pad printing AMBER and WHITE lens will be BLACK.
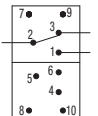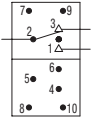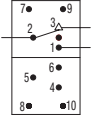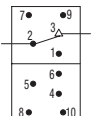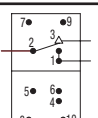
Icons to be centered on lens.

Icon orientation per Icon Selection Table; alternate orientation will require a new 2-digit icon assignment. *(See Icon Selection Table on Page 11.)*
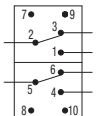
How to Order

To determine the complete SVR part number for a below panel rocker switch with and/or without actuator.

BELOW PANEL ROCKER SWITCH

S AC S 2X 2 G AQ X XX X X

Switch Series
1 Digit

S = SVR

Frame
1 Digit

S = Standard – Below Panel
T = Palm Guard – Top/Left
B = Palm Guard – Bottom/Right
F = Palm Guard – Full

Actuator Style
1 Digit

X = None
1 = No Lens
2 = Top/Left Lens Only
3 = Bottom/Right Lens Only
4 = Top/Left and Bottom/Right Lenses
5 = Paddle – No Lens
6 = Indicator – Top/Left Lens
7 = Indicator – Bottom/Right Lens
8 = Indicator – Top/Left and Bottom/Right Lenses
9 = Indicator – No Lens
A = Decorative Rocker

Lens/Icon Color (Top/Left)
1 Digit

X = None

Lens Color

R = Red
G = Green
B = Blue
A = Amber
W = White

Decorative Icon Color

1 = Daylight White
2 = Deadfront

Icon (Bottom/Right)
2 Digits

XX = None
See Icon Table on Page 11

Special Feature
1 Digit

X = None
For Eaton use only

Special Feature
1 Digit

X = None
For Eaton use only

Switch Circuits/Illumination Circuits

1st Digit (Circuit)	2nd Digit (Illumination)	
A = ON – NONE – ON	**1-Pole**	**Illumination**
C = ON – NONE – ON (Gold Plated)	A	None
D = ON – OFF – ON	C	Top/Left (D)
E = ON – OFF – ON (Gold Plated)	D	Bottom/Right (D)
F = ON* – OFF – ON*	E	Top/Left (I)
G = ON* – OFF – ON* (Gold Plated)	F	Bottom/Right (I)
H = ON* – OFF – ON	G	Top/Left (D)/ Bottom/Right (D)
J = ON* – OFF – ON (Gold Plated)	H	Top/Left (I)/ Bottom/Right (D)
K = ON – ON – ON [1]	J	Top/Left (D)/ Bottom/Right (D)
L = ON – ON – ON (Gold Plated) [1]	K	Top/Left (I)/ Bottom/Right (I)
M = ON* – NONE – ON	**2-Pole**	**Illumination**
P = ON* – NONE – ON (Gold Plated)	R	None
R = ON* – ON – ON* [1]	S	Top/Left (D)
S = ON* – ON – ON* (Gold Plated) [1]	T	Bottom/Right (D)
T = ON* – ON – ON [1]	U	Top/Left (I)
U = ON* – ON – ON (Gold Plated) [1]	V	Bottom/Right (I)
	W	Top/Left (D)/ Bottom/Right (I)
	Y	Top/Left (I)/ Bottom/Right (D)
	3	Top/Left (D)/ Bottom/Right (D)
	4	Top/Left (I)/ Bottom/Right (I)

1st and 2nd Digit Indicators

NE = 7 – 9 Illumination
NF = 8 – 10 Illumination
NK = Dual Illumination
N9 = Dual Illumination with 8 – 9 Jumper

[1] Double-pole only. *(See Switch Circuit Schematics on Page 6 and Illumination Circuit Schematics on Page 7.)*

* = Momentary. (I) = Independent. (D) = Dependent.

LED (Top/Left) / LED (Bottom/Right)

LED (Top/Left) **1 Digit**	LED (Bottom/Right) **1 Digit**
X = None	X = None

14 V Standard

J = Red
K = Green
L = Amber (Standard)
M = Blue

14 V Over/Reverse Voltage Protection

1 = Red
2 = Green
3 = Amber (Standard)
7 = Blue

28 V Standard

E = Red
F = Green
G = Amber (Standard)
H = Blue

28 V Over/Reverse Voltage Protection

4 = Red
5 = Green
6 = Amber (Standard)
8 = Blue

Icon (Top/Left)
2 Digits

XX = None
See Icon Table on Page 11

Lens/Icon Color (Bottom/Right)
1 Digit

X = None

Lens Color

R = Red
G = Green
B = Blue
A = Amber
W = White

Decorative Icon Color

1 = Daylight White
2 = Deadfront

LED Wavelengths:

Red = ~ 630 nm   Amber = ~ 592 nm
Green = ~ 526 nm   Blue = ~ 472 nm

Below panel rocker switch with two snap-in lenses

Examples

SACS2X — Below Panel Basic Switch Only — 1-pole ON – NONE – ON circuit in standard frame with green 14 volt dependent over/reverse voltage protected LED in top position.

2GAQXXXXX — Below Panel Actuator Only — Actuator with green snap-in lens in top position and AQ icon pad-printed in white.

SACS2X2GAQXXXXX — Below Panel Switch with Actuator Assembled — 1-pole ON – NONE – ON circuit in standard frame with green 14 volt dependent over/reverse voltage protected LED in top position, Actuator with green snap-in lens in top position and AQ icon pad-printed in white.

SNESEX6RCQXXXXX — Below Panel Indicator — Single red snap-in lens in top location with white pad-printed CQ icon and 28 volt red LED.

Notes

Standard color for pad printing RED, GREEN and BLUE lens will be WHITE.

Standard color for pad printing AMBER and WHITE lens will be BLACK.

Icons to be centered on lens.
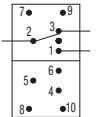
Icon orientation per Icon Selection Table; alternate orientation will require a new 2-digit icon assignment. *(See Icon Selection Table on Page 11.)*
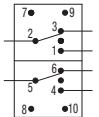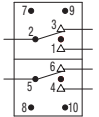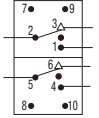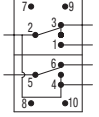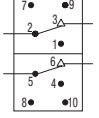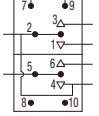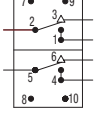
Electrical Circuit Descriptions

SWITCH CIRCUIT SCHEMATICS

CODE	SINGLE-POLE SCHEMATIC (Shown in Top/Left Actuated Position)	TOP/LEFT ACTUATED	CENTER	BOTTOM/RIGHT ACTUATED	DOUBLE-POLE SCHEMATIC (Shown in Top/Left Actuated Position)	TOP/LEFT ACTUATED	CENTER	BOTTOM/RIGHT ACTUATED
A / C (GOLD)		ON	NONE	ON		ON	NONE	ON
		2 – 3	–	2 – 1		2 – 3 / 5 – 6	– / –	2 – 1 / 5 – 4
D / E (GOLD)		ON	OFF	ON		ON	OFF	ON
		2 – 3	–	2 – 1		2 – 3 / 5 – 6	– / –	2 – 1 / 5 – 4
F / G (GOLD)		MOM ON	OFF	MOM ON		MOM ON	OFF	MOM ON
		2 – 3	–	2 – 1		2 – 3 / 5 – 6	– / –	2 – 1 / 5 – 4
H / J (GOLD)		MOM ON	OFF	ON		MOM ON	OFF	ON
		2 – 3	–	2 – 1		2 – 3 / 5 – 6	– / –	2 – 1 / 5 – 4
K / L (GOLD)	DOUBLE-POLE ONLY					ON	ON	ON
						2 – 3 / 5 – 6	5 – 4 – 2 – 3	5 – 4 – 2 – 1
M / P (GOLD)		MOM ON	NONE	ON		MOM ON	NONE	ON
		2 – 3	–	2 – 1		2 – 3 / 5 – 6	– / –	2 – 1 / 5 – 4
R / S (GOLD)	DOUBLE-POLE ONLY					MOM ON	ON	MOM ON
T / U (GOLD)		MOM ON	ON	ON		MOM ON	ON	ON
		2 – 3	2 – 1	2 – 1		2 – 3 / 5 – 6	2 – 1 / 5 – 4	2 – 1 / 5 – 4
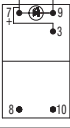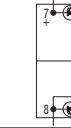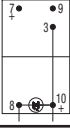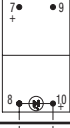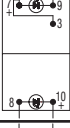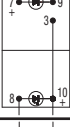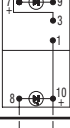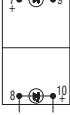
Circuit

The SVR switch is capable of 1- or 2-pole configurations with 2- or 3-position maintained, momentary, or a combination of actuations. The addition of jumpers between switch terminals expands the circuit possibilities.

Contact your Eaton sales representative for more specific information about SVR standard and custom circuit options.

Illumination Circuit Descriptions

ILLUMINATION CIRCUIT SCHEMATICS

SINGLE-POLE CODE	DOUBLE-POLE CODE	SCHEMATIC [1]	ILLUMINATION CODE	SCHEMATIC [1]
A	R	NONE		
C	S	(schematic)	9	(schematic)
D	T	(schematic)		
E	U	(schematic)		
F	V	(schematic)		
G	W	(schematic)		
H	Y	(schematic)		
J	3	(schematic)		
K	4	(schematic)		

[1] LED for terminals 7 – 9 is at top/left side of switch.
LED for terminals 8 – 10 is at bottom/right of switch.

DECORATIVE ICON COLOR EXAMPLES

NON-ILLUMINATED

Deadfront

Daylight White

ILLUMINATED

Deadfront

Daylight White

Illumination

Long life LEDs provide back-lighting illumination for the SVR switch. Backlighting can be either independent of or dependent on the switch circuits, or a combination of both. Standard LED color is amber, with red, green and blue also available. LED protection circuitry is available to protect the LED from overvoltage and reverse voltage conditions.

Contact your Eaton sales representative for more specific information about standard and custom circuit options.

Above panel rocker switch with two green snap-in lenses

Dimensions

ABOVE PANEL ROCKER SWITCH WITH ACTUATOR

T/L = Top/Left
B/R = Bottom/Right

24.00±.25
(.945±.010)

10.16±.25
(.400±.010)

ICON
AREA
T/L

47.50±.25
(1.870±.010)

7.62±.25
(.300±.010)

ICON
AREA
B/R

1.32±.25
(.052±.010)

20.50±.25
(.807±.010)

TOP/LEFT ACTUATED
CENTER
BOTTOM/RIGHT
ACTUATED

33.00±.25
(1.299±.010)

36.00±.25
(1.418±.010)

EAT•N

+ −
7 4 5 6 8

35.60±.25
(1.400±.010)

20.60±.25
(.810±.010)

10 3 2 1 9

PANEL SEAL GASKET

Catalog Number **32-2245**

43.18±.25
(1.700±.010)

36.83±.25
(1.450±.010)

30.23±.25
(1.190±.010)

20.62±.25
(.812±.010)

17.27±.25
(.680±.010)

24.13±.25
(.950±.010)

R1.52±.25
(R.060±.010)

PANEL OPENING (ABOVE & BELOW)

Note: Recommended panel thickness 1.0 – 4.0 mm (0.04 – 0.16 inches).
Best results obtained between 1.5 – 3.0 mm (0.06 – 0.12 inches).

36.80
(1.450)

30.20
(1.190)

17.30
(0.680)

21.10
(0.830)

Dimensions

BELOW PANEL ROCKER SWITCH WITH ACTUATOR

T/L = Top/Left
B/R = Bottom/Right

25.00±.25
(0.980±.010)

9.90±.13
(.390±.005)

ICON
AREA
T/L

6.90±.13
(.270±.005)

ICON
AREA
B/R

44.00±.25
(1.730±.010)

2.60±.25
(.100±.010)

11.40±.25
(.446±.010)

TOP/LEFT ACTUATED
CENTER
BOTTOM/RIGHT ACTUATED

44.00±.25
(1.730±.010)

40.89±.25
(1.610±.010)

35.60±.25
(1.400±.010)

20.60±.25
(.810±.010)

+ 7 4 5 6 8 —

+ 10 3 2 1 9 —

PADDLE ACTUATOR (BELOW PANEL ONLY)

26.78±.25
(1.054±.010)

PALM GUARD (BELOW PANEL ONLY)

14.00±.25
(.551±.010)

23.88±.25
(.940±.010)

2.60±.25
(.102±.010)

44.00±.25
(1.730±.010)

35.60±.25
(1.400±.010)

20.60±.25
(.810±.010)

+ 7 4 5 6 8 —

INDICATOR (BELOW PANEL ONLY)

T/L = Top/Left
B/R = Bottom/Right

9.90±.13
(.390±.010)

ICON
AREA T/L

6.90±.13
(.270±.010)

ICON
AREA B/R

44.00±.25
(1.730±.010)

25.00±.25
(.980±.010)

2.60±.25
(.100±.010)

44.00±.25
(1.730±.010)

35.60±.25
(1.400±.010)

20.60±.25
(.810±.010)

+ 7 4 5 6 8 —

Accessories Dimensions

APPROXIMATE MM (INCHES)

GANG-MOUNT SYSTEM

End: Catalog Number **17-22146**

Center: Catalog Number **17-22152**

25.96±.25
(1.020±.010)

51.37±.25
(2.020±.010)

38.90±.25
(1.530±.010)

20.88±.13
(.820±.005)

36.80±.13
(1.450±.005)

44.88±.25
(1.770±.010)

52.00±.25
(2.050±.010)

50.20±.25
(1.976±.010)

PANEL OPENING
FOR 2-END BEZEL

39.24±.25
(1.545±.010)

76.20±.25
(3.000±.010)

PANEL OPENING
FOR 2-END AND 1
CENTER BEZEL

39.24±.25
(1.545±.010)

16.36±.25
(.640±.010)

3.75±.25
(.150±.010)

27.10±.25
(1.070±.010)

13.64±.25
(.540±.010)

25.51±.25
(1.000±.010)
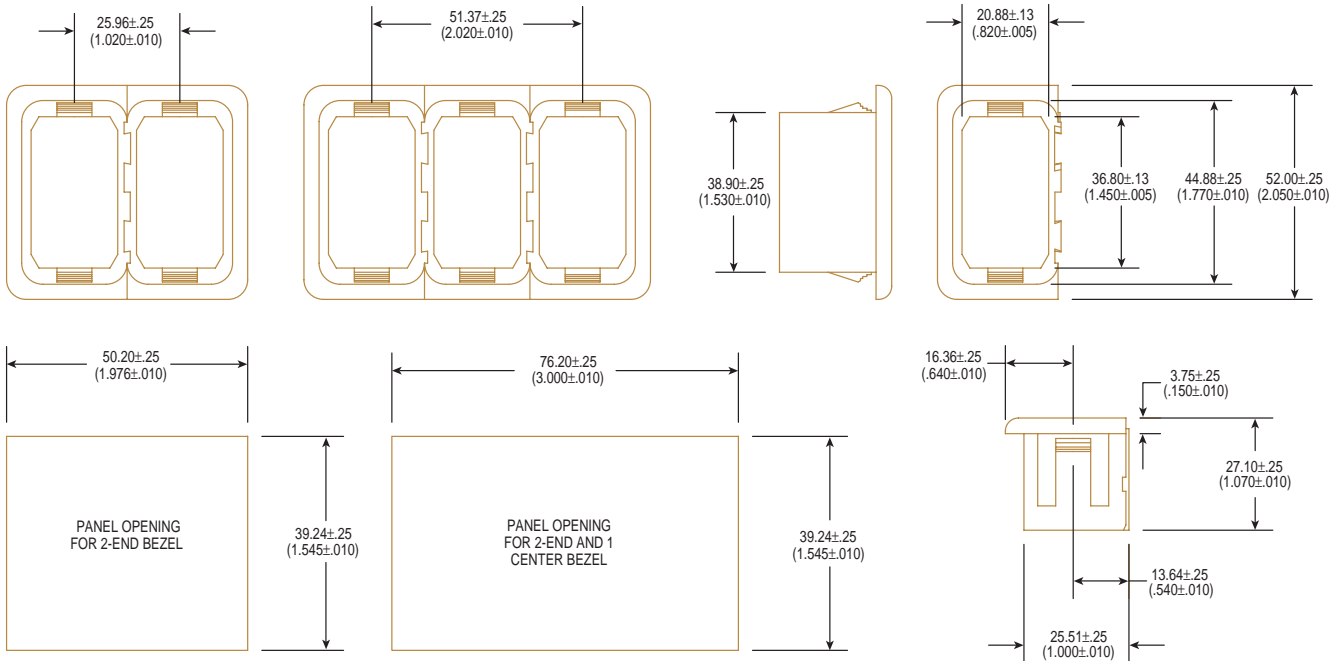
PANEL PLUG

Catalog Number **17-22145**

25.00±.25
(.980±.010)

44.00±.25
(1.730±.010)

2.55±.25
(.100±.010)

43.95±.25
(1.730±.010)

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+ 7 4 5 6 – 8

35.56±.25
(1.400±.010)

20.57±.25
(.810±.010)
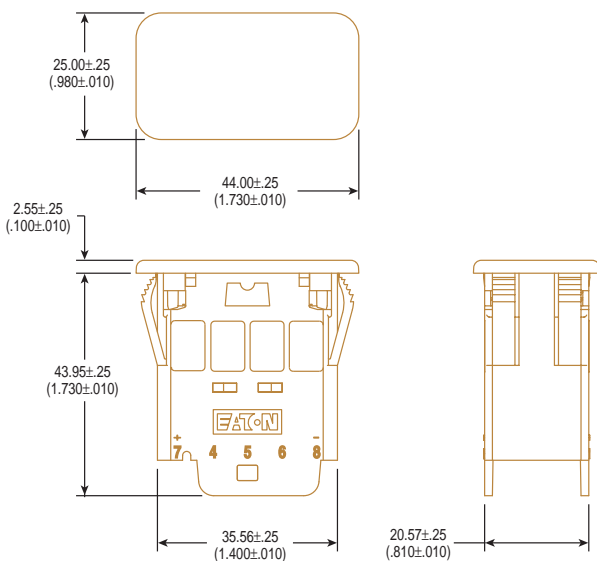
CONNECTOR

Catalog Number:
25-13936

AMP Terminal
Catalog Numbers:
• **927766-3**
  (14 – 16 gauge)
• **927770-3**
  (18 – 20 gauge)

AMP Wire Seal
Catalog Numbers:
• **828905-1**
  (14 – 16 gauge)
• **828904-1**
  (18 – 20 gauge)

AMP Sealing Plug
Catalog Number:
• **828922-1**

16.80±.25
(.660±.010)

33.40±.25
(1.310±.010)

31.50±.25
(1.240±.010)

14.75±.25
(.580±.010)

8.40±.25
(.330±.010)

26.00±.25
(1.020±.010)
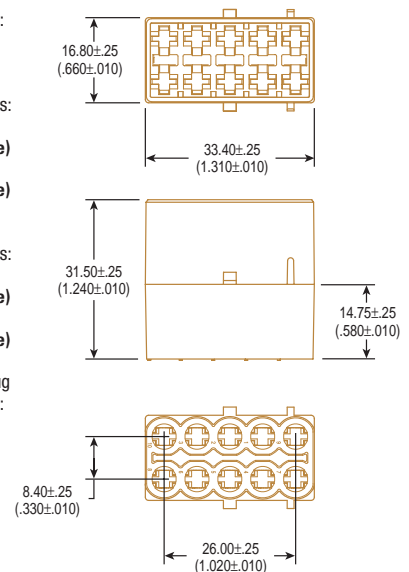
Icon Selection Table

ICON	CODE	ICON	CODE	ICON	CODE	ICON	CODE	ICON	CODE
(icon)	AA	*(icon)*	AR	*(icon)*	BI	*(icon)*	DN	*(icon)*	HY
(icon)	AB	*(icon)*	AS	*(icon)*	BJ	*(icon)*	DQ	*(icon)*	KR
(icon)	AC	*(icon)*	AT	*(icon)*	BK	*(icon)*	DR	*(icon)*	LX
(icon)	AD	*(icon)*	AU	*(icon)*	BL	*(icon)*	DS	*(icon)*	MV
(icon)	AE	*(icon)*	AV	*(icon)* 3	BP	START	DX	*(icon)*	MW
(icon)	AF	*(icon)*	AW	*(icon)* 1	BQ	STOP	DY	*(icon)*	NF
(icon) STOP	AG	*(icon)*	AX	*(icon)*	BR	*(icon)*	EI	*(icon)*	NG
(icon)	AH	*(icon)*	AY	*(icon)*	BS	*(icon)*	FC	F	NJ
(icon)	AJ	*(icon)*	BA	*(icon)*	BZ	*(icon)*	FF	N	NK
(icon)	AK	*(icon)*	BB	*(icon)*	CF	*(icon)*	GH	R	PA
(icon)	AL	*(icon)*	BC	*(icon)* (P)	CP	*(icon)*	GI	*(icon)*	QE
(icon)	AM	—	BE	*(icon)*	CQ	*(icon)*	GU	*(icon)*	QL
(icon)	AN	*(icon)*	BF	*(icon)*	CS	*(icon)*	HA	*(icon)*	RW
(icon)	AP	*(icon)*	BG	*(icon)*	CV	*(icon)*	HM	*(icon)*	RX
(icon)	AQ	*(icon)*	BH	*(icon)*	CW	*(icon)*	HN	*(icon)*	SB

Note: Other standard icons are available. Contact your Eaton sales representative for a complete listing of standard icons.

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Eaton Corporation is a diversified industrial manufacturer with 2003 sales of $8.1 billion. Eaton is a global leader in fluid power systems and services for industrial, mobile and aircraft equipment; electrical systems and components for power quality, distribution and control; automotive engine air management systems and powertrain controls for fuel economy; and intelligent drivetrain systems for fuel economy and safety in trucks. Eaton has 54,000 employees and sells products to customers in more than 100 countries. For more information, visit www.eaton.com.

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