Full Size Euro-Look Rocker Switches

DESCRIPTION

Eaton's **8004 and 8005 Euro-Look Series** features matte finish European styling and snap-in mounting. These durable switches, field-tested in the most demanding truck and marine applications, are available with a variety of standard actuator options. Options include concave, two-face, illuminated, non-illuminated, and the recessed feature which allows placement of your label on the face of our rocker. All switches in this rugged lineup can be fitted with a silicone rubber seal to provide moisture and dust resistance. Additionally, these switches can be gang-mounted into a single panel opening. Panel blanks are also available.

SPECIFICATIONS

Ratings:
15A @ 125V ac.
10A @ 250V ac.
3/4 HP @ 250V ac.
(Hp rating does not apply to lighted switches).
CUR marked.
Recommended up to 15A @ 28V dc.

Circuits:
1PST, 1PDT, 2PST, and 2PDT.
Maintained and momentary action.

Contact Mechanism:
Slow-make/Slow-break contact mechanism.
Butt action contact mechanism designed specifically for use on and low voltage applications.

HOW TO ORDER — FULL SIZE

To determine your **Complete Catalog Number,** you must start with the appropriate **Base Circuit Number** and add the appropriate **Code Letters** and/or **Numbers** as in the example below:

Start with this Base Circuit Number	...add each appropriate Code Number or Letter...							...to get to your Complete Catalog Number
Base Circuit Catalog Number	Mounting Frame	Bulb Voltage	Lamp Wiring	Rocker Style	Rocker Color	Lens Color	Seal Option	Complete Catalog Number
8005K20	**N**	**3**	**1**	**4**	**V**	**3**	**2**	**8005K20N314V32**

FULL SIZE SELECTION TABLE

Rating	Poles and Throw	Circuit with Rocker in			BASE CIRCUIT			CODE LETTERS AND NUMBERS — ADD TO BASE CIRCUIT NUMBER											
		UP Position	CENTER Position	DOWN Position	Termination Type			Mounting Frame		Bulb Voltage		Lamp Wiring		Rocker Style		Rocker Color		Lens Color		Seal Option	
					.250″ Spade Terminal	Solder Lugs	Screw Terminal	Color	Code	Voltage Type	Code	Type	Code	Type	Code	Color	Code	Color	Code	Type	Code
NON-ILLUMINATED								**NON-ILLUMINATED**													
10A 250V ac 15A 125V ac 15A 28V dc	1 P.S.T.	2-3 2-3*	NONE	OFF	8004K23 8004K35	8004K24 8004K36	8004K25 8004K37	Black White Red Gray	N M T G	N/A	N/A	N/A	N/A	Two Face Concave Paddle Recessed	1 7 6 0	White Red Black Gray	M T V G	N/A	N/A	Non-Sealed Sealed	1 2
	1 P.D.T.	2-3 2-3 2-3* 2-3*	OFF NONE OFF OFF	2-1 2-1 2-1 2-1*	8004K20 8004K26 8004K29 8004K32	8004K21 8004K27 8004K30 8004K33	8004K22 8004K28 8004K31 8004K34														
	2 P.S.T.	2-3, 5-6 2-3, 5-6*	NONE	OFF	8004K43 8004K55	8004K44 8004K56	8004K45 8004K57														
	2 P.D.T.	2-3, 5-6 2-3, 5-6 2-3, 5-6* 2-3, 5-6*	OFF NONE OFF OFF	2-1, 5-4 2-1, 5-4 2-1, 5-4 2-1, 5-4*	8004K40 8004K46 8004K49 8004K52	8004K41 8004K47 8004K50 8004K53	8004K42 8004K48 8004K51 8004K54														
	2 P.D.T.❶	2-3, 5-6	2-3	OFF	8004K58	8004K59	8004K60														
	2 P.D.T.❷	5-6	5-3	5-1	8004K61	8004K62	8004K63														
ILLUMINATED								**ILLUMINATED**													
10A 250V ac 15A 125V ac 15A 28V dc	1 P.S.T.	2-3 2-3*	NONE OFF	OFF NONE	8005K23 8005K35	8005K24 8005K36	8005K25 8005K37	Black White Red Gray	N M T G	14V dc 18V dc 28V dc 125V❹ Neon 250V❹ Neon	3 7 4 1 2	Dependent on Circuit Independent of Circuit	1 2	Two Face w/1 Lens Two Face w/2 Lenses ❸ Concave w/1 Lens Concave w/2 Lenses ❸ Recessed w/1 Lens Recessed w/2 Lenses	3 4 8 9 2 5	White Red Black Gray	M T V G	Red Green Amber No Lens Blue	2 3 4 5 6	Non-Sealed Sealed	1 2
	1 P.D.T.	2-3 2-3 2-3* 2-3*	OFF NONE OFF OFF	2-1 2-1 2-1 2-1*	8005K20 8005K26 8005K29 8005K32	8005K21 8005K27 8005K30 8005K33	8005K22 8005K28 8005K31 8005K34														
	2 P.S.T.	2-3, 5-6 2-3, 5-6*	NONE OFF	OFF NONE	8005K43 8005K55	8005K44 8005K56	8005K45 8005K57														
	2 P.D.T.❸	2-3, 5-6 2-3, 5-6 2-3, 5-6* 2-3, 5-6*	OFF NONE OFF OFF	2-1, 5-4 2-1, 5-4 2-1, 5-4 2-1, 5-4*	8005K40 8005K46 8005K49 8005K52	8005K41 8005K47 8005K50 8005K53	8005K42 8005K48 8005K51 8005K54														

*Momentary contact.
❶ 3A @ 250V ac, 6A @ 125V ac.
❷ 1/4 Hp @ 125-250V ac.
❸ Not available with lamp wired independent of circuit and provided with (2) lamps and (2) lens only (use only rocker styles 4 and 9). Note: All double throw circuits both 1 pole and 2 pole require

(2) lamps and (2) lens when lamp wired dependent on circuit. When lamp wired independent of circuit for 1PDT switches: device is supplied with 1 lamp and (2) lens (lamp centered in open pole of base).
❹ Available on single pole versions only.

Contact Material:

Movable — Silver plated copper with fine or coin silver contact face button.

Stationary — Copper with fine or coin silver contact face button.

Mechanical Life:

Momentary — 25,000 operations, minimum.

Maintained — 100,000 operations, minimum.

Electrical Life:

25,000 operations min. at full load.

Terminal Type:

Standard 6.35 mm (.250″) spade — Brass.

Screw — Brass **(Cat. No. 811-2 #6 – 32 x 3/16 binding head terminal screws are provided unassembled).**

Solder — Tintillate plated brass. Tintillate spade terminals.

Rocker Material:

Custom styled, multicolored thermoplastic rocker actuators. The rocker and bezel are supplied with a matte finish.

Lamps:

Five lamp voltages, 14V dc, 18V dc, 28V dc, 125V ac neon, and 250V ac neon, are offered as standard. For additional lamp voltages, please contact your local Eaton Sales Representative.

Base Material:

Thermoset molding material.

Dielectric:

1,000V RMS, minimum.

Mounting Means:

Snap-in mounting with plastic bezel.

Seal:

Available in sealed and non-sealed versions. Sealed devices are furnished with a silicone rubber seal providing moisture and dust resistance.

Lens Catalog Numbers
(if ordered separately):

8005 Two-Face:

Green **28-3425**
Amber **28-3425-2**
Red **28-3425-3**
Blue **28-3425-4**
White **28-3425-5**

8005 Concave:

Red **28-5148**
Green **28-5148-2**
Amber **28-5148-3**
Blue **28-5148-4**
Clear **28-5148-5**

Options:

• Additional colors of rockers and mounting bezels are available.
• Special circuits.
• Special ratings.
• Dry circuit capabilities.
• Pad-printed legends on rocker & bezel.
• Special lamp voltages.
• Foam dust seal.
• Reversing jumpers.
• Printed circuit terminals and other terminal types.
• Dead back cover (two pole base) with wire leads.
• Matching indicators.
• Industry standard connector: **28-3426**, see page 4.26.
• Full size Euro-look gang mounting systems, see page 4.27.
• Full size Euro-look panel plugs: **17-19544-2**, see page 4.27.
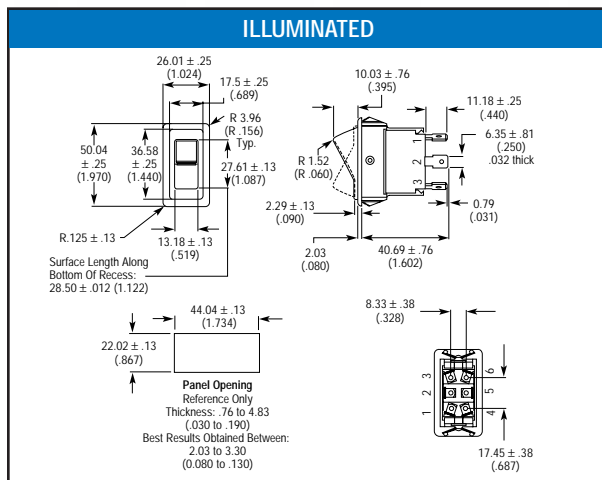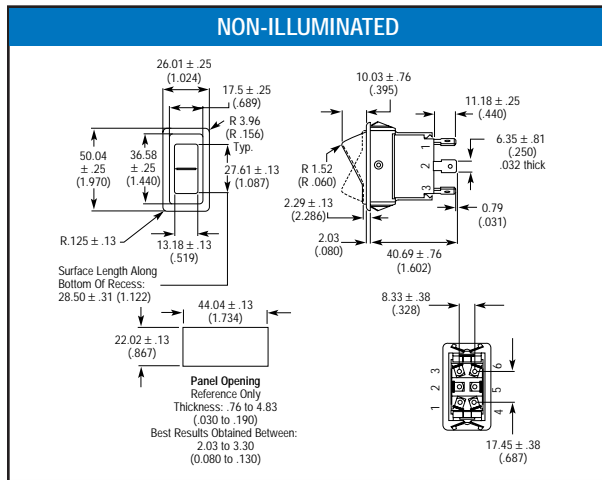
For information on optical features, contact your Eaton Sales Representative.

Approvals:

Underwriter recognized and recognized component for Canada (CUR marked): File E2702.

DIMENSIONS APPROXIMATE IN MM (INCHES)

NON-ILLUMINATED

26.01 ± .25 (1.024)
17.5 ± .25 (.689)
10.03 ± .76 (.395)
11.18 ± .25 (.440)
R 3.96 (R .156) Typ.
6.35 ± .81 (.250) .032 thick
50.04 ± .25 (1.970)
36.58 ± .25 (1.440)
27.61 ± .13 (1.087)
R 1.52 (R .060)
2.29 ± .13 (2.286)
0.79 (.031)
R.125 ± .13
13.18 ± .13 (.519)
2.03 (.080)
40.69 ± .76 (1.602)
Surface Length Along Bottom Of Recess: 28.50 ± .31 (1.122)
8.33 ± .38 (.328)
44.04 ± .13 (1.734)
22.02 ± .13 (.867)
Panel Opening
Reference Only
Thickness: .76 to 4.83 (.030 to .190)
Best Results Obtained Between: 2.03 to 3.30 (0.080 to .130)
17.45 ± .38 (.687)

ILLUMINATED

26.01 ± .25 (1.024)
17.5 ± .25 (.689)
10.03 ± .76 (.395)
11.18 ± .25 (.440)
R 3.96 (R .156) Typ.
6.35 ± .81 (.250) .032 thick
50.04 ± .25 (1.970)
36.58 ± .25 (1.440)
27.61 ± .13 (1.087)
R 1.52 (R .060)
2.29 ± .13 (.090)
0.79 (.031)
R.125 ± .13
13.18 ± .13 (.519)
2.03 (.080)
40.69 ± .76 (1.602)
Surface Length Along Bottom Of Recess: 28.50 ± .012 (1.122)
8.33 ± .38 (.328)
44.04 ± .13 (1.734)
22.02 ± .13 (.867)
Panel Opening
Reference Only
Thickness: .76 to 4.83 (.030 to .190)
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17.45 ± .38 (.687)

8004K23N6V2
Full Size

8005K21N319V22
Full Size

8005K25N315V32
Full Size

8005K21N319V62
Full Size