

Long recognised as a leader in refrigerator door switches, Bulgin's wide range of types and configurations will suit almost any need. With both double contact and single contact options, our switches are not only ideal for traditional refrigerator and freezer applications but can and have been used in a variety of door applications as well.

- Door switches
- Switch rating from 0.2A, 250V ac up to 5A, 250Vac
- Splash resistant variants
- Choice of actuators
- Momentary on and momentary off switching





Key Features

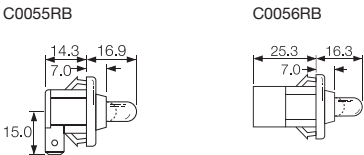
- Ratings up to 0.2A, 250V ac
- High temperature rating up to 125°C
- Long overtravel
- Choice of terminal orientation

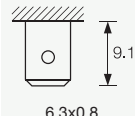
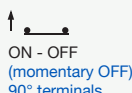
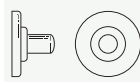
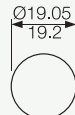
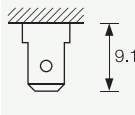
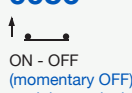
Approvals and specifications

0055 & 0056
0.2(0.2)A 250Vac 25T125 5E4
(50,000 operations)

μ contact gap

Dimensions and Properties



Terminal	Function	Actuator	Body	Options
C  6.3x0.8	0055  ON - OFF (momentary OFF) 90° terminals	R 	B Panel cut - out  Panel thickness 0055 1.0 - 1.6 0056 1.0 - 2.6 Flange 	Finish Gloss finish only Colour White or black Call sales for custom colours.
H  4.8x0.8	0056  ON - OFF (momentary OFF) straight terminals			

3005 Refrigerator Door Switches

Splash Resistant



Key Features

- Door switches
- Momentary on and momentary off switching
- Splash resistant
- Choice of terminal orientation
- Choice of actuators

Approvals and specifications

3005 25W 25T85 5E4 (50,000 Operations) 250Vac
3006 65W 25T85 5E4 (50,000 Operations) 250Vac

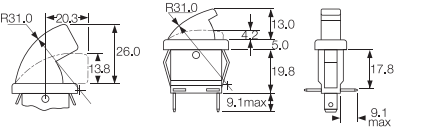
UL 0.3A 250Vac (Black Versions Only)

UL 0.2A 125Vac (Black Versions Only)

μ contact gap

Dimensions and Properties

3005



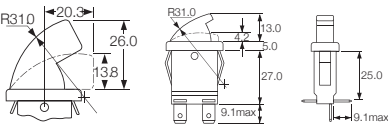
Panel thickness 1.0 - 2.5mm

B Actuator

C Actuator

R, L & B terminals

3006

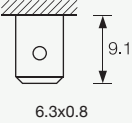
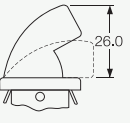
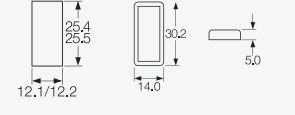
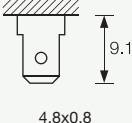
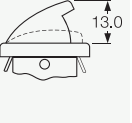


Panel thickness 1.0 - 2.5mm

B Actuator

C Actuator

R, L & B terminals

Terminal	Function	Actuator	Body	Options
C  6.3x0.8	3005  ON - OFF (momentary OFF) 1mm max travel to OFF position	B  26.0	R L B  Terminal direction (viewed from hinge end) Panel cut - out Bezel Bezel Profile  12.1/12.2 25.4/25.5 30.2 14.0 5.0	Finish Gloss finish only Colour White or black Call sales for custom colours. A full range is available for large orders.
H  4.8x0.8	3006  ON - OFF (momentary ON) 3mm min travel to ON position	C  13.0		

3100 Refrigerator Door Switches

Splash resistant



E3111BA ---



E3102AA ---

Key Features

- Door switches
- Ratings up to 5A, 250V ac
- Splash resistant
- Changeover, momentary ON and momentary OFF
- Choice of actuators

Approvals and specifications

5A 250Vac 25T85 5E4 (50,000 Operations)

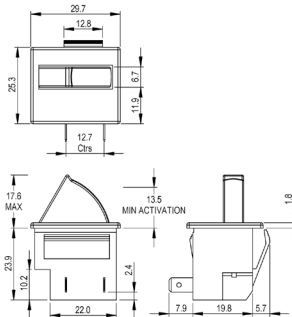
UL CSA 5A 250Vac
UL 85°C, file E45221, CSA file LR10990

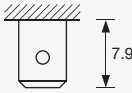
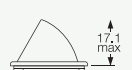
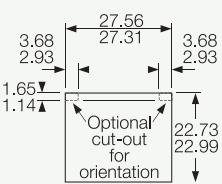
μ contact gap.
Sealed terminals option available.

Dimensions and Properties

3101 uses terminals 1,2
3102 uses terminals 1,2
3111 uses terminals 1,2,3

For details of actuator travel and switching angles call sales.



Terminal	Function	Actuator	Body	Colour	Options
E  4.8x0.5 QC	 3101  ON - OFF (momentary CLOSED) 3102  ON - OFF (momentary OFF) 3111  ON - ON (momentary 1 side)	A  17.6 max B  15.6 max C  23.0 max D  17.1 max	A  Optional cut-out for orientation	W White B Black PW Polar White	Finish Gloss finish only Colour White or black Call sales for custom colours. A full range is available for large orders.

3100 ATEX Refrigerator Door Switches



Key Features

- ATEX Rated up to 2.5A, 250Vac
- Splash resistant
- Changeover, momentary ON and momentary OFF
- Choice of actuators & colours

Approvals and specifications

Ex ATEX Approved for hazardous locations
2.5A 250Vac
Complies with:
EN IEC 60079-0 & 60079-15
Ex II 3 G & Ex nC IIA Gc
Type Examination Certificate no. UL 22 ATEX 2897U

UL 5A 250Vac (Standard location only)
25T85 5E4 (50,000 Operations)

UL UL CSA 5A 250Vac (Standard location only)
UL 85°C, file E45221, CSA file LR10990

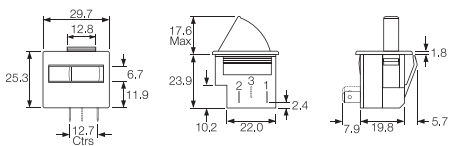
Dimensions and Properties

3101 uses terminals 1,2
3102 uses terminals 1,2
3111 uses terminals 1,2,3

μ contact gap.

For details of actuator travel and switching angles call sales.

Finish: Gloss finish only



Terminal	Function	Actuator	Body	Colour	Options	Approval
E 4.8x0.5 QC	 3101 ON - OFF (momentary CLOSED)	A B C D 	A 	W White B Black P Polar White Call sales for custom colours. A full range is available for large orders.	A Standard Call sales for plated contacts and sealed terminal options.	EX ATEX Approved

Part Code System

E	31XX	X	A	X	X	X
Terminal	Function	Actuator Type	Body	Colour	Options	Approval
E	3101 3102 3111	A B C D	A	W B P	A	EX

3140 Refrigerator Door Switches

Splash resistant



HK3141AA - - -



H3145AA - - -

Key Features

- Door switches
- Ratings up to 5A, 250V ac
- Splash resistant
- Momentary action
- Choice of actuators
- 2 circuit switch

Approvals and specifications

5A 250Vac 25T85 5E4 (50,000 Operations)

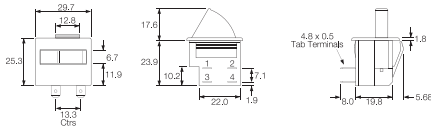
UL CSA 5A 250Vac
UL 85°C, file E45221, CSA file LR10990

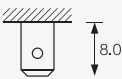
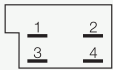
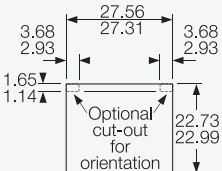
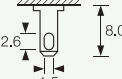
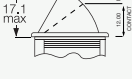
3141, μ contact gap.
3145 and 3146, 3mm contact gap.

Sealed terminals option available.

Dimensions and Properties

3141 uses terminals 1,2,3,4
3145 uses terminals 3,4
3146 uses terminals 1,2



Terminal	Function	Actuator	Body	Colour	Options
H  4.8x0.8	 3141 1 2 3 4 ON - ON (momentary)	A  17.6 max	A  27.56 27.31 3.68 2.93 3.68 2.93 1.65 1.14 Optional cut-out for orientation 22.73 22.99	W White	Finish Gloss finish only Colour White or black Call sales for custom colours. A full range is available for large orders.
K  2.6 1.5 8.0 2.8x0.8	3145 3 4 ON - OFF (momentary OFF)	B  15.6 max		B Black	
Standard format is H terminals in positions 1 & 2 and K terminals in positions 3 & 4 For sealed terminals call sales	3146 1 2 ON - OFF (momentary ON)	C  23.0 max		PW Polar White	
		D  17.1 max			

3140 ATEX Refrigerator Door Switches



Key Features

- ATEX Rated up to 2.5A, 250Vac
- Splash resistant
- Momentary action
- Choice of actuators & colours
- 2 circuit switch

Approvals and specifications

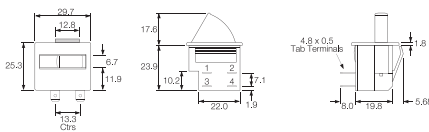
- Ex** ATEX Approved for hazardous locations
2.5A 250Vac
Complies with:
EN IEC 60079-0 & 60079-15
Ex II 3 G & Ex nC IIA Gc
Type Examination Certificate no. UL 22 ATEX 2897U
- UL** 5A 250Vac (Standard location only)
25T85 5E4 (50,000 Operations)
- UL** CSA 5A 250Vac (Standard location only)
UL 85°C, file E45221, CSA file LR10990

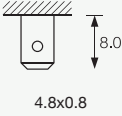
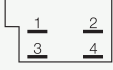
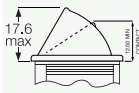
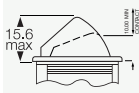
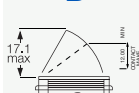
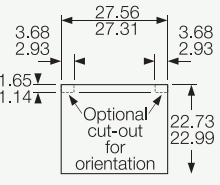
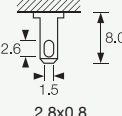
Dimensions and Properties

3141 uses terminals 1,2,3,4
3145 uses terminals 3,4
3146 uses terminals 1,2

3141, μ contact gap.
3145 and 3146, 3mm contact gap.

Finish: Gloss finish only



Terminal	Function	Actuator	Body	Colour	Options	Approval
H  4.8x0.8	 3141 ON - ON (momentary)	A  B  C  D 	A 	W White B Black P Polar White	A Standard	EX ATEX Approved
K 3141 Only  2.8x0.8	3145 ON - OFF (momentary OFF) 3146 ON - OFF (momentary ON)			Call sales for custom colours. A full range is available for large orders.	Call sales for plated contacts and sealed terminal options.	

Part Code System

X	314X	X	A	X	X	X
Terminal	Function	Actuator Type	Body	Colour	Options	Approval
HK (3141 only) H	3141 3145 3146	A B C D	A	W B P	A	EX

Mouser Electronics

Authorized Distributor

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[Bulgin:](#)

E3101AABAEX	E3101AAPAEX	E3101AAWAEX	E3101BABAEX	E3101BAPAEX	E3101BAWAEX	E3101CABAEX
E3101CAPAEX	E3101CAWAEX	E3101DABAEX	E3101DAPAEX	E3101DAWAEX	E3102AABAEX	E3102AAPAEX
E3102AAWAEX	E3102BABAEX	E3102BAPAEX	E3102BAWAEX	E3102CABAEX	E3102CAPAEX	E3102CAWAEX
E3102DABAEX	E3102DAPAEX	E3102DAWAEX	E3111AABAEX	E3111AAPAEX	E3111AAWAEX	E3111BABAEX
E3111BAPAEX	E3111BAWAEX	E3111CABAEX	E3111CAPAEX	E3111CAWAEX	E3111DABAEX	E3111DAPAEX
E3111DAWAEX	H3145AABAEX	H3145AAPAEX	H3145AAWAEX	H3145BABAEX	H3145BAPAEX	
H3145BAWAEX	H3145CABAEX	H3145CAPAEX	H3145CAWAEX	H3145DABAEX	H3145DAPAEX	H3145DAWAEX
H3146AABAEX	H3146AAPAEX	H3146AAWAEX	H3146BABAEX	H3146BAPAEX	H3146BAWAEX	H3146CABAEX
H3146CAPAEX	H3146CAWAEX	H3146DABAEX	H3146DAPAEX	H3146DAWAEX	HK3141AABAEX	
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