

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





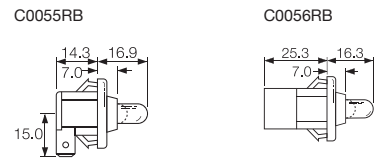
### Key Features

- 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				
<p><b>C</b></p> <p>6.3x0.8</p>	<p><b>0055</b></p> <p>ON - OFF (momentary OFF) 90° terminals</p>	<p><b>R</b></p>	<p><b>B</b></p> <p>Panel cut - out</p> <p>Panel thickness</p> <table border="1"> <tr> <td>0055</td> <td>1.0 - 1.6</td> </tr> <tr> <td>0056</td> <td>1.0 - 2.6</td> </tr> </table>	0055	1.0 - 1.6	0056	1.0 - 2.6	<p><b>Finish</b> Gloss finish only</p> <p><b>Colour</b> White or black Call sales for custom colours.</p>
0055	1.0 - 1.6							
0056	1.0 - 2.6							
<p><b>H</b></p> <p>4.8x0.8</p>	<p><b>0056</b></p> <p>ON - OFF (momentary OFF) straight terminals</p>	<p>Flange</p>						

# 3005 Refrigerator Door Switches

Splash Resistant



C3005BL ---

C3005CB ---

## Key Features

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

## Approvals and specifications

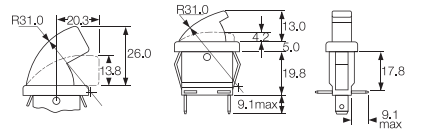
3005 25W 25T85 5E4 (50,000 Operations) 250Vac  
 3006 65W 25T85 5E4 (50,000 Operations) 250Vac

UL 0.3A 250Vac (Black Versions Only)  
 UL 0.2A 125Vac (Black Versions Only)

μ contact gap

## Dimensions and Properties

3005



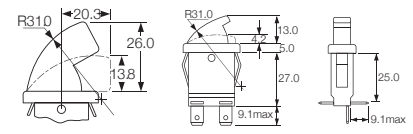
Panel thickness 1.0 - 2.5mm

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

# 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)

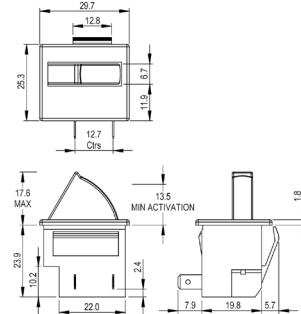
UL CSA 5A 250Vac  
UL 85°C, file E45221, CSA file LR10990

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
<b>E</b>  4.8x0.5 QC 7.9	 <b>3101</b>  ON - OFF (momentary CLOSED)	<b>A</b>  17,6 max	<b>A</b>  27,56 27,31 3,68 2,93 1,65 1,14 Optional cut-out for orientation 22,73 22,99	<b>W</b> White	<b>Finish</b> Gloss finish only  <b>Colour</b> White or black Call sales for custom colours. A full range is available for large orders.
	<b>3102</b>  ON - OFF (momentary OFF)	<b>B</b>  15,6 max		<b>B</b> Black	
	<b>3111</b>  ON - ON (momentary 1 side)	<b>C</b>  23,0 max		<b>PW</b> Polar White	
	<b>3111</b>  17,5 max				

# 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  
 Compiles with:  
 EN IEC 60079-0 & 60079-15  
 Ex II 3 G & Ex nC IIA Gc  
 Type Examination Certificate no. UL 22 ATEX 2897U

**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

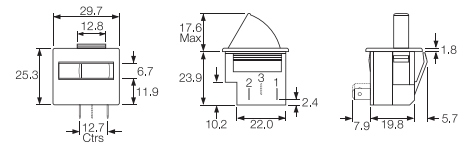
## Dimensions and Properties

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
<b>E</b>  4.8x0.5 QC	 <b>3101</b> ON - OFF (momentary CLOSED)	<b>A</b>  17.6 max	<b>A</b>  27.56, 27.31, 3.68, 2.93, 1.65, 1.14, 22.73, 22.99 Optional cut-out for orientation	<b>W</b> White	<b>A</b> Standard	<b>EX</b> ATEX Approved
	<b>3102</b> ON - OFF (momentary OFF)	<b>B</b>  15.6 max		<b>B</b> Black		
	<b>3111</b> ON - ON (momentary 1 side)	<b>C</b>  23.0 max		<b>P</b> Polar White		
		<b>D</b>  17.1 max		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

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)

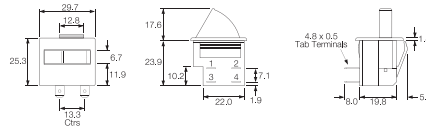
UL CSA 5A 250Vac  
UL 85°C, file E45221, CSA file LR10990

3141,  $\mu$  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
<p><b>H</b></p> <p>4.8x0.8</p>	<p><b>3141</b></p> <p>ON - ON (momentary)</p>	<p><b>A</b></p> <p>17.6 max</p> <p><b>B</b></p> <p>15.6 max</p>	<p><b>A</b></p> <p>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</p>	<p><b>W</b></p> <p>White</p> <p><b>B</b></p> <p>Black</p> <p><b>PW</b></p> <p>Polar White</p>	<p><b>Finish</b> Gloss finish only</p> <p><b>Colour</b> White or black Call sales for custom colours. A full range is available for large orders.</p>
<p><b>K</b></p> <p>2.8x0.8</p>	<p><b>3145</b></p> <p>ON - OFF (momentary OFF)</p>	<p><b>C</b></p> <p>23.0 max</p> <p><b>D</b></p> <p>17.1 max</p>			
<p>Standard format is H terminals in positions 1 &amp; 2 and K terminals in positions 3 &amp; 4 For sealed terminals call sales</p>	<p><b>3146</b></p> <p>ON - OFF (momentary ON)</p>				

# 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

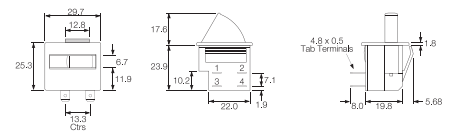
- ⚠ ATEX Approved for hazardous locations  
2.5A 250Vac  
Complies with:  
EN IEC 60079-0 & 60079-15  
Ex II 3 G & Ex nC IIA Gc  
Type Examination Certificate no. UL 22 ATEX 2897U
- ⚡ 5A 250Vac (Standard location only)  
25T85 5E4 (50,000 Operations)
- UL CSA 5A 250Vac (Standard location only)  
UL 85°C, 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,  $\mu$  contact gap.  
3145 and 3146, 3mm contact gap.

Finish: Gloss finish only



Terminal	Function	Actuator	Body	Colour	Options	Approval
<p><b>H</b></p> <p>4.8x0.8</p>	<p><b>3141</b></p> <p>ON - ON (momentary)</p>	<p><b>A</b></p> <p><b>B</b></p>	<p><b>A</b></p> <p>Optional cut-out for orientation</p>	<p><b>W</b></p> <p>White</p> <p><b>B</b></p> <p>Black</p> <p><b>P</b></p> <p>Polar White</p> <p>Call sales for custom colours. A full range is available for large orders.</p>	<p><b>A</b></p> <p>Standard</p> <p>Call sales for plated contacts and sealed terminal options.</p>	<p><b>EX</b></p> <p>ATEX Approved</p>
<p><b>K</b></p> <p>3141 Only</p> <p>2.8x0.8</p> <p>Standard format is H terminals in positions 1 &amp; 2 and K terminals in positions 3 &amp; 4 (HK3141)</p>	<p><b>3145</b></p> <p>ON - OFF (momentary OFF)</p> <p><b>3146</b></p> <p>ON - OFF (momentary ON)</p>	<p><b>C</b></p> <p><b>D</b></p>				

## 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