The K50 Touch Series is a versatile family that combines a large, bright indicator with solid-state switching capability activated by a simple touch. There are several models with a variety of input/output options to choose from that fit nearly any application.

- Simple operation with the touch of a finger, hand or whole palm
- Easily actuated with bare hands or work gloves
- Rugged, fully encapsulated IP69K construction
- Models with either latching or momentary outputs
- One-, two- and three-color models available with a variety of colors and option of custom laser surface marking
**Independent Input/Output Models with up to Three Indicator Colors Controlled by Separate Inputs**

The output is activated by touching the device and is totally independent of the indicator inputs.

### K50 Family
- **Output State**: A = Normally Open, R = Normally Closed
- **Output Function**: B = Bipolar Output (NPN & PNP), L = Momentary
- **Activation Method**: T = Touch
- **Color**: G = Green, Y = Yellow, R = Red, B = Blue, W = White
- **Function**: F2 = Multifunction
- **Connection**: Q = 2 m Integral Cable, QP = Euro Pigtail QD

**One- or Two-Color Momentary or Latching Bipolar (1 NPN and 1 PNP) Output Models**

These models do not have inputs to control the indicator. The color of the indicator is determined by the non-activated or activated condition.

### K50 Family
- **Output State**: A = Normally Open, R = Normally Closed
- **Output Function**: B = Bipolar Output (NPN & PNP), L = Momentary
- **Activation Method**: T = Touch
- **Color**: G = Green, Y = Yellow, R = Red, B = Blue, W = White
- **Function**: H = Output Only
- **Connection**: Q = 2 m Integral Cable, QP = Euro Pigtail QD

---

**Supply Voltage**
- 12 to 30V dc

**Construction**
- Housing: Polycarbonate
- Translucent dome: Polycarbonate
- Mounting Nut: PBT

**Environmental Rating**
- IEC IP67, IP69K per DIN 40050

**Operating Temperature**
- −40° to +50° C (−40° to +122° F)

**Certifications**
- CE

**5-Pin M12/ Euro-Style Cordsets**
- Straight connector models listed; for right-angle models, add RA to the end of model number (example, MQDC1-506RA)

**8-Pin M12/ Euro-Style Cordsets**
- For use with 3 color F2 models.
- Straight connector models listed; for right-angle models, add RA to the end of model number (example, MQDC2S-806RA)

Additional accessories are available at bannerengineering.com
K30 Illuminated Touch Buttons

The K30 Touch Series is a versatile family that combines a small, bright indicator with solid-state switching capability activated by a simple touch. These easy-to-use small indicators are cost-effective with a 22 mm threaded base to fit into industry standard punched holes.

- Simple operation with the touch of a finger, hand or whole palm
- Easily actuated with bare hands or work gloves
- Rugged, fully encapsulated IP69K construction
- Models with either latching or momentary outputs
- One- and two-color models available with a variety of colors and option of custom laser surface marking
### Independent Input/Output Models with One Color Controlled by a Separate Input

The output is activated by touching the device and is totally independent of the indicator input.

<table>
<thead>
<tr>
<th>Family</th>
<th>Output State</th>
<th>Input/Output</th>
<th>Activation Method</th>
<th>Color (power applied)</th>
<th>Color (input active)</th>
<th>Function</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>K30</td>
<td>A</td>
<td>P</td>
<td>T</td>
<td>G</td>
<td>T</td>
<td>F2</td>
<td>Q</td>
</tr>
</tbody>
</table>

- **A** = Normally Open  
- **R** = Normally Closed
- **P** = PNP  
- **N** = NPN
- **T** = Touch
- **G** = Green  
- **Y** = Yellow  
- **O** = Orange  
- **R** = Red  
- **V** = Violet  
- **B** = Blue  
- **M** = Magenta  
- **W** = White  
- **X** = Not Used

### One- or Two-Color Momentary or Latching Bipolar (1 NPN and 1 PNP) Output Models

These models do not have inputs to control the indicator. The color of the indicator is determined by the non-activated or activated condition.

<table>
<thead>
<tr>
<th>Family</th>
<th>Output State</th>
<th>Output Function</th>
<th>Output Type</th>
<th>Activation Method</th>
<th>Color (not activated)</th>
<th>Color (activated)</th>
<th>Function</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>K30</td>
<td>A</td>
<td>L</td>
<td>B</td>
<td>T</td>
<td>G</td>
<td>T</td>
<td>H</td>
<td>Q</td>
</tr>
</tbody>
</table>

- **A** = Normally Open  
- **R** = Normally Closed
- **B** = Bipolar Output (NPN & PNP)
- **L** = Latching  
- **T** = Touch
- **G** = Green  
- **Y** = Yellow  
- **O** = Orange  
- **R** = Red  
- **V** = Violet  
- **B** = Blue  
- **M** = Magenta  
- **W** = White  
- **X** = Not Used

- **H** = Output Only
- **Blank** = Momentary
- **L** = Latching

### Supply Voltage

12 to 30V dc

### Construction

- **Housing**: Polycarbonate  
- **Translucent dome**: Polycarbonate  
- **Mounting Nut**: PBT

### Environmental Rating

IEC IP67, IP69K per DIN 40050

### Operating Temperature

−40° to +50° C (−40° to +122° F)

### Certifications

CE

---

**4-Pin M12/ Euro-Style Cordsets**

Straight connector models listed; for right-angle models, add RA to the end of model number (example, MQDC-406RA)

- MQDC-406  
- MQDC-415  
- MQDC-430

Additional accessories are available at bannerengineering.com
**General Purpose Multicolor Indicator with Independent Momentary Touch Button Output**

For the latest technical information about this product, including specifications, dimensions, and wiring, see [http://www.bannerengineering.com](http://www.bannerengineering.com).

- Rugged, cost-effective, and easy-to-install multicolor indicator with touch button
- Waterproof IP69K construction for washdown environments
- Three independent colors in one unit - Color 3 overrides Colors 1 and 2, Color 2 overrides Color 1
- Available with PNP and NPN inputs/outputs, depending on model
- Ergonomically designed to eliminate hand, wrist, and arm stresses associated with repeated switch operation; require no physical force to operate
- Can be actuated with bare hands or in gloves
- 12 to 30V dc operation

### Models

<table>
<thead>
<tr>
<th>Model</th>
<th>I/O Type</th>
<th>Output State</th>
<th>Color 1</th>
<th>Color 2</th>
<th>Color 3</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>K50APTRGRYF2Q</td>
<td>PNP</td>
<td>N.O.</td>
<td></td>
<td>Green</td>
<td>Red</td>
<td>Integral 8-pin Euro QD</td>
</tr>
<tr>
<td>K50RPTRGRYF2Q</td>
<td>N.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50ANTGRYF2Q</td>
<td>NPN</td>
<td>N.O.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K50RNTGRYF2Q</td>
<td>N.C.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WARNING: Not To Be Used for Personnel Protection**

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device does NOT include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

### Indicator and Output Behavior

**Table 1: PNP Models**

<table>
<thead>
<tr>
<th>Input Actions</th>
<th>Touch Button Actions</th>
<th>Output Type</th>
<th>Touch</th>
<th>Output: Pin 1 White Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input #1: Pin 3 Green Wire</td>
<td>Input #2: Pin 8 Red Wire</td>
<td>Input #3: Pin 4 Yellow Wire</td>
<td>LED Color</td>
<td></td>
</tr>
<tr>
<td>Open or -Vdc</td>
<td>Open or -Vdc</td>
<td>Open or -Vdc</td>
<td>Light OFF</td>
<td>N.O.</td>
</tr>
<tr>
<td>+Vdc</td>
<td>Open or -Vdc</td>
<td>Open or -Vdc</td>
<td>Color #1 ON</td>
<td>Touched</td>
</tr>
<tr>
<td>+Vdc</td>
<td>+Vdc</td>
<td>+Vdc</td>
<td>Color #2 ON</td>
<td>N.C.</td>
</tr>
<tr>
<td>Open or -Vdc</td>
<td>+Vdc</td>
<td>+Vdc</td>
<td>Color #3 ON</td>
<td>Touched</td>
</tr>
<tr>
<td>Open or -Vdc</td>
<td>Open or -Vdc</td>
<td>+Vdc</td>
<td>Color #2 ON</td>
<td></td>
</tr>
<tr>
<td>Open or -Vdc</td>
<td>+Vdc</td>
<td>+Vdc</td>
<td>Color #3 ON</td>
<td></td>
</tr>
<tr>
<td>+Vdc</td>
<td>Open or -Vdc</td>
<td>+Vdc</td>
<td>Color #3 ON</td>
<td></td>
</tr>
</tbody>
</table>

1 Integral QD models only are listed.

- For 8-pin 150 mm (5.9 in) Euro-style PVC pigtail, replace suffix Q withQP in model number (example, K50APTRGRYF2QP).
- For 2 m (6.5 ft) cable, omit suffix Q from model number (example, K50APTRGRYF2).
- A model with a QD requires a mating cable (see Cordsets on page 3).
### Table 2: NPN Models

<table>
<thead>
<tr>
<th>Input Actions</th>
<th>Touch Button Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input #1: Pin 3 Green Wire</td>
<td>Output Type</td>
</tr>
<tr>
<td>Input #2: Pin 8 Red Wire</td>
<td>Touch</td>
</tr>
<tr>
<td>Input #3: Pin 4 Yellow Wire</td>
<td>Output: Pin 1 White Wire</td>
</tr>
<tr>
<td><strong>Open or +Vdc</strong></td>
<td><strong>N.O.</strong></td>
</tr>
<tr>
<td><strong>-Vdc</strong></td>
<td><strong>Color #1 ON</strong></td>
</tr>
<tr>
<td><strong>-Vdc</strong></td>
<td><strong>Color #2 ON</strong></td>
</tr>
<tr>
<td><strong>Open or +Vdc</strong></td>
<td><strong>Color #3 ON</strong></td>
</tr>
<tr>
<td><strong>-Vdc</strong></td>
<td><strong>Color #2 ON</strong></td>
</tr>
<tr>
<td><strong>Open or +Vdc</strong></td>
<td><strong>Color #3 ON</strong></td>
</tr>
</tbody>
</table>

### Dimensions

![Dimensions Diagram]

### Hookups

#### NPN (Sinking) Output Models

<table>
<thead>
<tr>
<th>Wiring Key</th>
<th>Pinout</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = White</td>
<td>2 = Brown</td>
</tr>
<tr>
<td>3 = Green</td>
<td>4 = Yellow</td>
</tr>
<tr>
<td>5 = Gray</td>
<td>6 = Pink</td>
</tr>
<tr>
<td>7 = Blue</td>
<td>8 = Red</td>
</tr>
</tbody>
</table>

#### PNP (Sourcing) Output Models

<table>
<thead>
<tr>
<th>Wiring Key</th>
<th>Pinout</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = White</td>
<td>2 = Brown</td>
</tr>
<tr>
<td>3 = Green</td>
<td>4 = Yellow</td>
</tr>
<tr>
<td>5 = Gray</td>
<td>6 = Pink</td>
</tr>
<tr>
<td>7 = Blue</td>
<td>8 = Red</td>
</tr>
</tbody>
</table>
Specifications

Supply Voltage
12 to 30V dc

Supply Current
< 75 mA max current at 12V dc (exclusive of load)
< 50 mA max current at 30V dc (exclusive of load)

Supply Protection Circuitry
Protected against reverse polarity and transient voltages

Output Rating
Maximum Load: 150 mA
ON-state saturation voltage: < 2V at 10 mA dc; < 2.5V at 150 mA dc
OFF-state leakage current <10 µA at 30V dc

Output Response Time
50 milliseconds ON and OFF

Power-Up Output Delay Time
300 milliseconds

Connections
8-pin integral Euro-style QD, 2 m (6.5 ft) PVC integral cable, or 8-pin 150 mm (5.9 in) Euro-style PVC pigtail QD

Indicators
Color 1: Green
Color 2: Red
Color 3: Yellow

Environmental Rating
IEC IP67, IP69K per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray.

Operating Conditions
Temperature: -40º to +50º C (-40º to +122º F)
Humidity: 90% at 50º C max. relative humidity (non-condensing)

Storage
-40º to +70º C (-40º to +158º F)

Construction
Housing: polycarbonate
Translucent dome: polycarbonate
Mounting Nut: PBT

Mounting
M30 x 1.5 Threaded base Max torque 4.5 Nm (40in lb f)

Vibration and Mechanical Shock
All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06 in. maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.

Certifications

Accessories

Cordsets

Table 3: 8-Pin Threaded M12/Euro-Style Cordsets with Open-Shield

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Style</th>
<th>Dimensions</th>
<th>Pinout</th>
</tr>
</thead>
<tbody>
<tr>
<td>MQDC2S-806</td>
<td>1.83 m (6 ft)</td>
<td>Straight</td>
<td>44 mm max. (1.7&quot;)</td>
<td>1 = White</td>
</tr>
<tr>
<td>MQDC2S-815</td>
<td>4.57 m (15 ft)</td>
<td>Straight</td>
<td>ø 15 mm (0.6&quot;)</td>
<td>2 = Brown</td>
</tr>
<tr>
<td>MQDC2S-830</td>
<td>9.14 m (30 ft)</td>
<td>Straight</td>
<td>ø 14.5 [0.5&quot;]</td>
<td>3 = Green</td>
</tr>
<tr>
<td>MQDC2S-850</td>
<td>15.2 m (50 ft)</td>
<td>Straight</td>
<td>M12 x 1</td>
<td>4 = Yellow</td>
</tr>
<tr>
<td>MQDC2S-806RA</td>
<td>1.83 m (6 ft)</td>
<td>Right-Angle</td>
<td>32 Typ. [1.24&quot;]</td>
<td>5 = Gray</td>
</tr>
<tr>
<td>MQDC2S-815RA</td>
<td>4.57 m (15 ft)</td>
<td>Right-Angle</td>
<td>30 Typ. [1.18&quot;]</td>
<td>6 = Pink</td>
</tr>
<tr>
<td>MQDC2S-830RA</td>
<td>9.14 m (30 ft)</td>
<td>Right-Angle</td>
<td>ø 14.5 [0.5&quot;]</td>
<td>7 = Blue</td>
</tr>
<tr>
<td>MQDC2S-850RA</td>
<td>15.2 m (50 ft)</td>
<td>Right-Angle</td>
<td>M12 x 1</td>
<td>8 = Red</td>
</tr>
</tbody>
</table>
### Brackets

#### SMB30A
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel

**Hole center spacing:** A to B = 40
**Hole size:** A = ø 6.3, B = 27.1 x 6.3, C = ø 30.5

#### SMB30FA
- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-ga. 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric and inch size bolt available

**Bolt thread:** SMB30FA, A = 3/8 - 16 x 2 in; SMB30FAM10, A = M10 - 1.5 x 50
**Hole size:** B = ø 30.1

#### SMB30FVK
- V-clamp, flat bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm dia. tubing or 1 in. square extrusions
- 30 mm hole for mounting sensors

**Hole size:** A = ø 31

#### SMB30MM
- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor

**Hole center spacing:** A = 51, A to B = 25.4
**Hole size:** A = 42.6 x 7, B = ø 6.4, C = ø 30.1

#### SMB30RAVK
- V-clamp, right-angle bracket and fasteners for mounting sensors to pipe or extrusion
- Clamp accommodates 28 mm dia. tubing or 1 in. square extrusions
- 30 mm hole for mounting sensors

**Hole size:** A = ø 30.5

#### SMBAMS30P
- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90° rotation
- 12-ga. 300 series stainless steel

**Hole center spacing:** A = 26.0, A to B = 13.0
**Hole size:** A = 26.8 x 7.0, B = ø 6.5, C = ø 31.0

#### SMBAMS30RA
- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90° rotation
- 12-ga. (2.6 mm) cold-rolled steel

**Hole center spacing:** A = 26.0, A to B = 13.0
**Hole size:** A = 26.8 x 7.0, B = ø 6.5, C = ø 31.0

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**Banner Engineering Corp Limited Warranty**

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

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Banner Engineering Corp. reserves the right to change, modify or improve the design of the product without assuming any obligations or liabilities relating to any product previously manufactured by Banner Engineering Corp.
EZ-LIGHT® Touch K30 Series Illuminated Multipurpose Buttons

General Purpose Multicolor Indicator with Independent Momentary Touch Button Output

- Rugged, cost-effective, and easy-to-install multicolor indicator with touch button
- Waterproof IP69K construction for washdown environments
- Two independent colors in one unit—Color 2 overrides Color 1
- Available with PNP and NPN inputs/outputs, depending on model
- Ergonomically designed to eliminate hand, wrist, and arm stresses associated with repeated switch operation; require no physical force to operate
- Can be actuated with bare hands or in gloves
- 12 to 30V dc operation

Models

<table>
<thead>
<tr>
<th>Model</th>
<th>I/O Type</th>
<th>Output State</th>
<th>Light Color 1 (Power Applied)</th>
<th>Light Color 2 (Input Active)</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>K30APTXRF2Q</td>
<td>PNP</td>
<td>N.O.</td>
<td>-</td>
<td>Red</td>
<td>Integral 4-pin Euro QD</td>
</tr>
<tr>
<td>K30APTXGF2Q</td>
<td>PNP</td>
<td></td>
<td>-</td>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>K30APTRGF2Q</td>
<td>PNP</td>
<td></td>
<td>Green</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>K30ANTXRF2Q</td>
<td>NPN</td>
<td></td>
<td>-</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>K30ANTXGF2Q</td>
<td>NPN</td>
<td></td>
<td>-</td>
<td>Green</td>
<td></td>
</tr>
<tr>
<td>K30ANTGRF2Q</td>
<td>NPN</td>
<td></td>
<td>Green</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>K30ANTRGF2Q</td>
<td>NPN</td>
<td></td>
<td>Red</td>
<td>Green</td>
<td></td>
</tr>
</tbody>
</table>

Specifications

- Supply Voltage
  12 to 30V dc
- Supply Current
  55 mA max current (exclusive of load)
- Supply Protection Circuitry
  Protected against reverse polarity and transient voltages
- Output Rating
  Maximum Load: 150 mA
  ON-state saturation voltage: < 2V at 10 mA dc; < 2.5V at 150 mA dc
  OFF-state leakage current <10 µA at 30V dc
- Output Response Time
  150 milliseconds ON and OFF
- Power-Up
  Device requires 300 milliseconds to start up
- Connections
  4-pin integral Euro-style QD, 2 m (6.5 ft) PVC integral cable, or 4-pin 150 mm (5.9 in) Euro-style PVC pigtail QD
- Environmental Rating
  IEC IP67, IP69K per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray.

Operating Conditions
- Temperature: -40 °C to +50 °C (~-40 °F to +122 °F)
- Humidity: 90% at +50 °C maximum relative humidity (non-condensing)
- Storage Temperature
  ~40 °C to +70 °C (~40 °F to +158 °F)
- Construction
  Housing: polycarbonate
  Translucent dome: polycarbonate
  Mounting Nut: PBT
- Mounting
  M22 × 1.5 Threaded base, max torque 2.25 Nm (20 in-lbf)
- Vibration and Mechanical Shock
  All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06 in. maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.
- Certifications

1 Integral QD models only are listed.

- For 4-pin 150 mm (5.9 in) Euro-style PVC pigtail, replace suffix Q with QP in the model number (example, K30APTXRF2QP).
- For 2 m (6.5 ft) cable, omit suffix Q from the model number (example, K30APTXRF2).
- A model with a QD requires a mating cable (see Cordsets on page 2).
Dimensions
All measurements are listed in millimeters (inches).

Hookups

NPN (Sinking) Output Models

PNP (Sourcing) Output Models

Wiring Key
1 = Brown
2 = White
3 = Blue
4 = Black

Pinout

Accessories
Cordsets

| 4-Pin Threaded M12/Euro-Style Cordsets |
|------------------------------- |----------------- |----------------- |----------------- |----------------- |
| Model                        | Length           | Style           | Dimensions      | Pinout          |
| MQDC-406                     | 1.83 m (6 ft)    | Straight        | ![Diagram]      | ![Diagram]      |
| MQDC-415                     | 4.57 m (15 ft)   | Straight        | ![Diagram]      | ![Diagram]      |
| MQDC-430                     | 9.14 m (30 ft)   | Straight        | ![Diagram]      | ![Diagram]      |
| MQDC-450                     | 15.2 m (50 ft)   | Straight        | ![Diagram]      | ![Diagram]      |
| MQDC-406RA                   | 1.83 m (6 ft)    | Right-Angle     | ![Diagram]      | ![Diagram]      |
| MQDC-415RA                   | 4.57 m (15 ft)   | Right-Angle     | ![Diagram]      | ![Diagram]      |
| MQDC-430RA                   | 9.14 m (30 ft)   | Right-Angle     | ![Diagram]      | ![Diagram]      |
| MQDC-450RA                   | 15.2 m (50 ft)   | Right-Angle     | ![Diagram]      | ![Diagram]      |
Brackets
All measurements are listed in millimeters.

**SMB22A**
- Right-angle bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 22 mm sensor

Hole center spacing: A to B = 26.0
Hole size: A = Ø 4.6, B = 4.6 x 16.9, C = 22.2

**SMB22FVK**
- V-clamp, flat bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor

Hole size: A = Ø 22.5

**SMB22RAVK**
- V-clamp, right-angle bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor

Hole size: A = Ø 22.5

**SMBAMS22P**
- Flat SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Hole center spacing: A = 26.0, A to B = 13.0
Hole size: A = 26.8 x 7.0, B = Ø 6.5, C = Ø 22.5

**SMBAMS22RA**
- Right-angle SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Hole center spacing: A = 26.0, A to B = 13.0
Hole size: A = 26.8 x 7.0, B = Ø 6.5, C = Ø 22.5

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