



BK400P Pullkey Pull Wire Trip Type

Bramco's BK400 pullkey offers unrivalled features. As a direct replacement of the BK200 and BK300, the BK400 builds on the strengths that have witnessed sales of pullkeys since 1992.

Our Pull wire type pullkey is a dual trip shaft pullkey where each trip shaft is completely independent from the other. For this pullkey it is recommended to connect the pull trip cable from pullkey to pullkey as detailed on page two of this product sheet. The pullkey will trip when the cable is pulled to the left or the right. This pullkey is designed for up to 200m spacings and may be operated as a single ended key if required.

Design Objectives

Optimal Strength

The BK400 is one of the toughest pullkeys available, offering an LM6 aluminium casting. The knob is protected by a canopy that is casted into the lid.

Spacious Compartment

The 225 x 170 x 50 mm enclosure offers a spacious pullkey that makes it easy to terminate cables and to do fault finding. By undoing only four cap screws the lid can be removed for full access to the switch and electronics. Due to its large termination compartment, additional costs of junction boxes are saved when using the BK400 Pullkey

IP Rating

The top and rear compartment of the pullkey is sealed with an O ring gasket to ensure that the pullkey falls within a IP66 rating.

Temperature Compensation

The BK400 has been specifically designed to provide temperature compensation for the expansion and shrinkage of the steel wire pull rope due to variation of temperatures during Summer and Winter.

Switch

Each BK400 is supplied with a Rotary Switch with self cleaning knife action wiping contacts. Rated 16 Amps at 240VAC. Our standard pullkey switches are supplied with four tripping contacts, 2 x N/C and 2 x N/O, however the switch is available in any configuration with four contacts in either N/O or N/C.

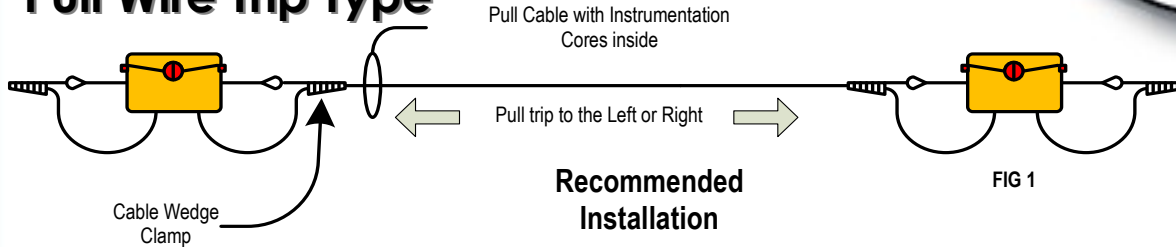
Optimal Corrosion Resistance

Pullkey's need to withstand extreme hostile environments. Corrosion is a common enemy of mining equipment. Poor corrosion resistance results in limited live spans and increased inventory costs. The BK400 is manufactured from LM6 Aluminium which exhibits excellent resistance to corrosion under both ordinary atmospheric and marine conditions. All components inside the BK400 are manufactured from non corrosive material such as Staleness, Nylon, Copper and Brass.





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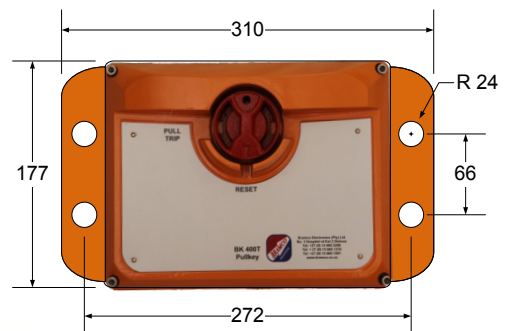
Features

<p>Mechanical Flag Each pullkey comes with a mechanical flag. The flag consist of a reflective tape that is visible over a long distance at night to indicate a pullkey trip.</p>	
<p>Rubber Boot To prevent water, dust and mud from entering, each Pullkey is fitted with a rubber boot where the pull cable goes into the mechanical compartment</p>	
<p>Switch Our switch has a knife action self cleaning action that cleans itself every time it switches.</p>	
<p>Rear Mechanism Every part of our pullkey, including the rear mechanism is manufactured out of non corrosive material such as Stainless, Nylon and LM6 aluminium.</p>	
<p>O Ring Seal The front and rear lid is equipped with an O Ring Seal to ensure that no moisture enters the pullkey.</p>	
<p>Stainless Thimble Pull Cables and the Thimbles are manufactured from Stainless. Crimps are finished with a heat shrink ferrule to prevent wires from poking your fingers.</p>	
<p>Screws in Lid The top lid is tapped and fitted with individually machined stainless screws that remains in the lid and cannot lose when the lid is turned upside down.</p>	
<p>Terminals Push in technology terminals are used with galvanic isolation, pull-out, shock and vibration resistance.</p>	
<p>Reinforced Rear Lid The rear lid is reinforced with ribs for extra strength and to ensure that the force on the O Ring Seal is spread evenly for a better seal.</p>	

Optional Extras

<p>Conveyor Pre Start Siren, (PSS) Each pullkey can be equipped with two 32 tone, 9-28VDC, 18mA, 102 dB @ 1m, conveyor pre-start sirens. (Part No R10471)</p>	
<p>PSS Lightning Protection We recommend the use of lightning protectors on the pre-start sirens if used in areas with severe lightning. (Part No: S11523)</p>	
<p>Pullkey LED Trip Indication If required each pullkey can be equipped with an LED for trip indication on the left and the right hand side (Part No: SP16131)</p>	
<p>PSS & LED Driver with Lightning Protection Using this driver enables you to drive the trip LED's and the Pre-Start Sirens with only two wires (Part- No: SP16131)</p>	
<p>Analogue Trip Monitoring, (BUG) If used with Our SLC2 & SLM2 relay this node will give you the trip location of the pullkey or any other tripping device on the conveyer. (Part- No: 00729)</p>	
<p>Addressable Digital Trip Monitoring, (SLM3 Node) If used with Our SLC2 & SLM3 relay this node will give you the trip location of the pullkey or any other tripping device on the conveyer. (Part No: A00921)</p>	
<p>Cable Wedge Clamps Cable wedge Clamps can be used to terminate instrumentation type pull cable, "Green Line" with the pullkey. (Part No: R10450)</p>	

Dimensions



BRAMCO ELECTRONICS Product Sheet

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