

PULLKEY SAFETY SYSTEMS

CONVEYOR SYSTEMS

Applications

The Ampcontrol designed and manufactured Pullkey Safety Switch provides a reliable means of conveyor emergency stop control for all types of material handling applications even under the most demanding conditions.

The Pullkey Safety Switch is constructed from powder coated stainless steel that provides a corrosion resistant and robust finish requiring little maintenance. The unit has an ingress protection rating of IP66 (dustproof and protection from strong jets of water).

The pullkey emergency stop function can be operated manually by rotating the red STOP/RUN control switch or by operation of either pullwire/lanyard arm. The pullkey is available in either taut wire or slack wire configurations for use in tensioned or non-tensioned lanyard systems respectively.

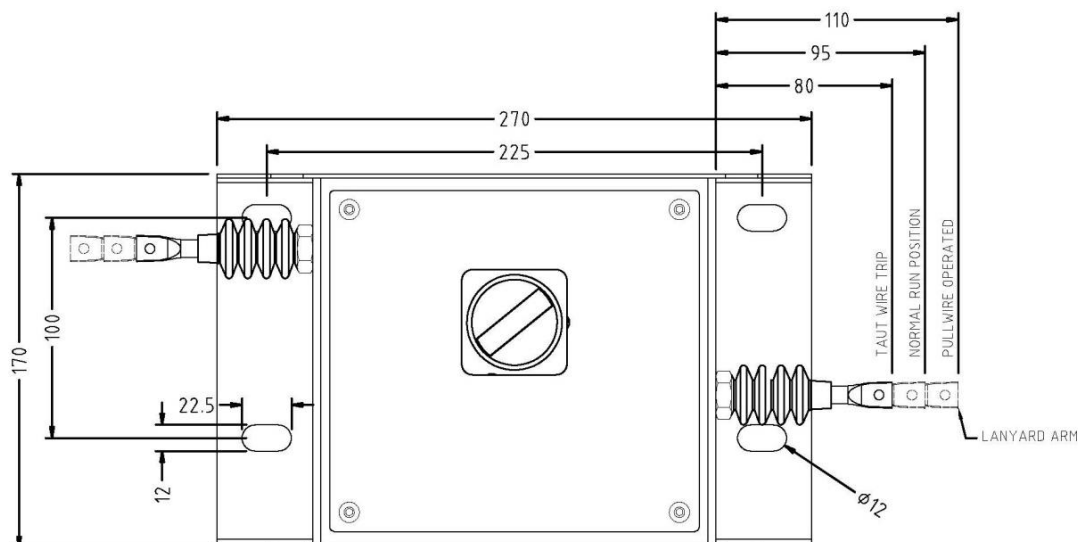
The standard range of pullkeys contain only switch contacts and are suitable for simple series connected emergency stop systems. The recommended iMAC range of pullkeys incorporate Ampcontrol's proprietary iMAC (Integrated Monitoring and Control) system which provides sophisticated emergency stop monitoring, status/diagnostic LED indication and optional remote isolation functions.



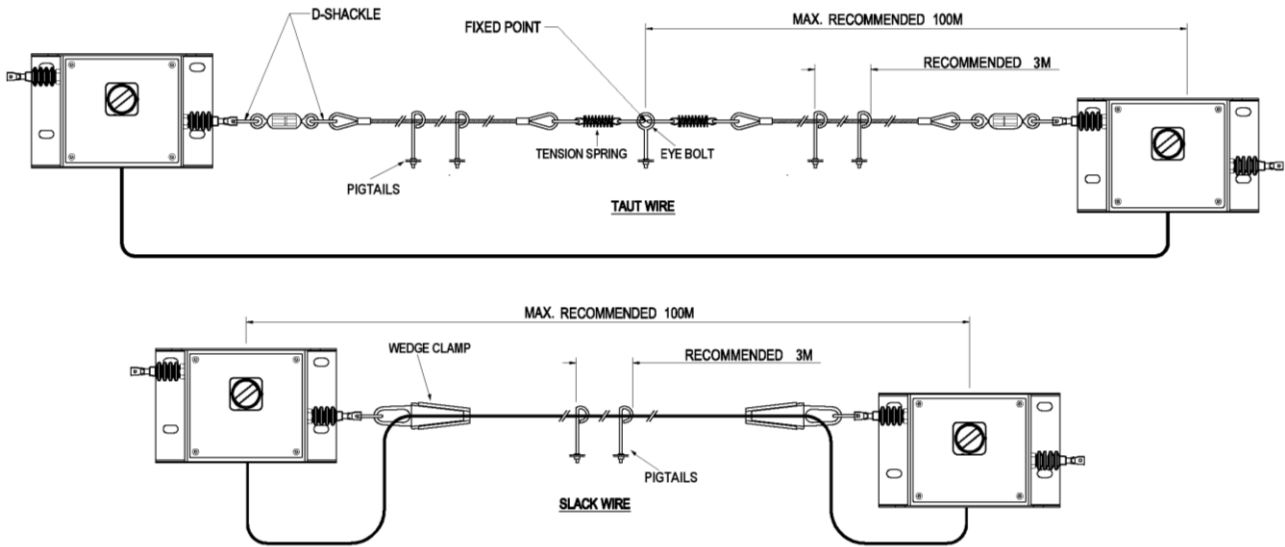
Features

- Emergency stop and latching (manual reset) complies with Australian Standards.
- Robust stainless steel construction ideal for corrosive environments.
- Fully enclosed pullkey mechanism ensures function reliability, certified IP66.
- Suitable for either taut wire (tensioned) or slack wire (non-tensioned) lanyard systems
- iMAC integration for emergency stop monitoring, status/diagnostic LED indication and optional remote isolation functions.
- Functional tested to 40,000 operations (long service life).
- Gold plated switch contacts with dual cross bars ensure superior switching reliability.
- Plug and socket or glanded cable entry options.
- Wide operating temperature range of -20°C to +60°C standard or extended -40°C to +60°C for extremely cold environments (model dependent, see ordering information).

General Arrangement



Typical System Configurations



Ordering Information – Pullkeys

Standard Pullkeys

| Part Number | Description |
|-------------|---------------------------|
| 101540 | PK TW STD OPT2 GLND LBRB# |
| 111123 | PK TW STD OPT1 GLND LBRB# |
| 115571 | PK TW STD OPT1 GLND LBRB# |
| 115578 | PK SW STD OPT2 GLND LBRB# |



Standard Pullkey (P/N 101540 shown)

iMAC Pullkeys

| Part Number | Description |
|-------------|--|
| 106016 | PK SW 2W+DI4 OPT2 GLND LBRB# IECEX |
| 115572 | PK TW 3W+IIM V3 OPT2 GLND LBRB# IECEX |
| 115579 | PK SW 3W+IIM V3 OPT2 GLND LBRB# IECEX |
| 176931 | PK SW 3W+IIM V3 OPT2 GLND LBRB# IECEX -40°C |
| 115637 | PK SW 3W+IIM V3 OPT4 AMPH RBLB IECEX |
| 115638 | PK SW 3W+IIM V3 OPT4 AMPH RBLB SCRNL IECEX |
| 115673 | PK SW 3W+IIM+LPU V3 OPT2 GLND LBRB# |
| 115709 | PK SW 3W+DI4 OPT4 AMPH M/F LBRB IECEX |
| 141214 | PK SW 3W+2xDI4 OPT7 AMPH LBRB IECEX |
| 157486 | PK SW 3W+IIM V3 OPT6 BULG RBLB IECEX |
| 157823 | PK SW 3W+DI4 OPT7 AMPH LBRB IECEX |
| 161070 | PK SW 3W+IIM V3 OPT4 AMPH M/F LBRB IECEX |
| 161457 | PK SW 3W+IIM V3 OPT8 AMPH LBRB IECEX IECEX |
| 161521 | PK SW 3W+IIM V3 OPT2 GLND LBRB IECEX |
| 161966 | PK TW 3W+DI4+LPU OPT7 GLND LBRB# |
| 163962 | PK TW 3W+IIM V3 STATUS OPT8 GLND LBRB# IECEX |



iMAC Pullkey (P/N 115572 shown)

Ordering Information – Pullkeys

iMAC Remote Isolation Pullkeys

| Part Number | Description |
|-------------|---|
| 115573 | PK TW 3W+IIM V3 RIS OPT2 GLND LBRB# IECEX |
| 115574 | PK TW 3W+IIM+LPU V3 RIS OPT7 GLND LBRB# |
| 115581 | PK SW 3W+IIM V3 RIS OPT2 GLND LBRB# IECEX |
| 176930 | PK SW 3W+IIM V3 RIS OPT2 GLND LBRB# IECEX -40°C |
| 115631 | PK SW 3W+IIM V3 RIS OPT4 AMPH RBLB IECEX |
| 115632 | PK SW 3W+IIM V3 RIS OPT4 AMPH RBLB IECEX |
| 115633 | PK SW 3W+IIM V3 RIS OPT9 AMPH LBRB IECEX |
| 115695 | PK SW 3W+IIM V3 RIS OPT4 AMPH LBRB IECEX |
| 115708 | PK SW 3W+IIM V3 RIS OPT6 BULG LBRB IECEX |
| 115712 | PK SW 3W+IIM V3 RIS OPT6 BULG LBRB IECEX |
| 159242 | PK SW 3W+IIM V3 RIS OPT4 AMPH LBRB IECEX |



**iMAC Remote Isolation Pullkey
(P/N 115573 shown)**

Ordering Information – Accessories

| Taut Wire Systems | |
|--------------------|--|
| Part Number | Description |
| 168159 | PULL WIRE VECTRAN |
| 168133 | SHACKLE D M5 SS316 |
| 168128 | TURNBUCKLE EYE/EYE M6 SS316 |
| 168130 | THIMBLE M5 SS304 |
| 168131 | GRIP WIRE ROPE M5 SS316 |
| 168132 | SPRING LANYARD TENSION TYPE A |
| 168129 | EYEBOLT M10x120mm SS304 |
| 179473 | SUPPORT PULL WIRE SML 150mmLG M10 ROD GALV |
| 177287 | SUPPORT PULL WIRE SML 200mmLG M10 ROD GALV |
| 180696 | SUPPORT PULL WIRE SML 300mmLG M10 ROD GALV |
| 177286 | SUPPORT PULL WIRE SML 150mmLG M10 ROD SS316 |
| 179474 | SUPPORT PULL WIRE SML 200mmLG M10 ROD SS316 |
| 180575 | SUPPORT PULL WIRE SML 300mmLG M10 ROD SS316 |
| 168553 | LABEL STICKER E/STOP STD |
| Slack Wire Systems | |
| Part Number | Description |
| 144957 | PULL CABLE 3x1.5mm ² CU SCR N LS0H |
| 176926 | PULL CABLE 3x1.5mm ² CU SCR N TPU (-40°C) |
| 179040 | PULL CABLE 3x1.5mm ² SCR N + 3x1.5mm ² SCR N LS0H |
| 179479 | PULL CABLE 3x1.5mm ² SCR N + 3x1.5mm ² SCR N TPU (-40°C) |
| 120841 | PULL CABLE 4x1.5mm ² RED SHEATH (not recommended for new systems, superseded by 144957) |
| 115564 | SHACKLE D SS 4mm |
| 159596 | CLAMP PULLCABLE WEDGECLAMP |
| 179475 | SUPPORT PULL CABLE LGE 150mmLG M10 ROD GALV (179473 recommended for 120841) |
| 179476 | SUPPORT PULL CABLE LGE 200mmLG M10 ROD GALV (177287 recommended for 120841) |
| 180697 | SUPPORT PULL CABLE LGE 300mmLG M10 ROD GALV (180696 recommended for 120841) |
| 179477 | SUPPORT PULL CABLE LGE 150mmLG M10 ROD SS316 (177286 recommended for 120841) |
| 179478 | SUPPORT PULL CABLE LGE 200mmLG M10 ROD SS316 (179474 recommended for 120841) |
| 180698 | SUPPORT PULL CABLE LGE 300mmLG M10 ROD SS316 (180575 recommended for 120841) |
| 168553 | LABEL STICKER E/STOP STD |

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