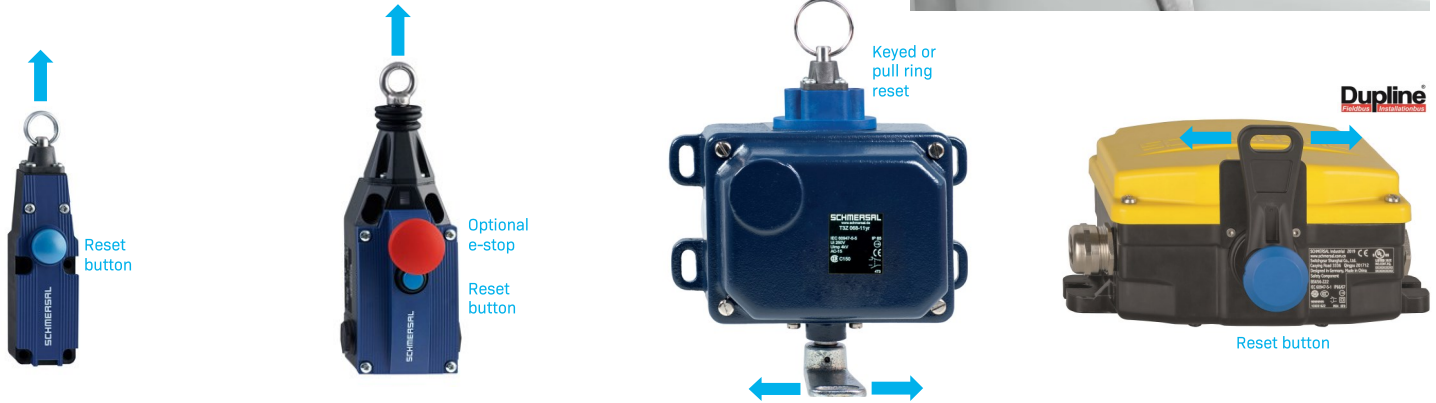# TECH BRIEF:
EMERGENCY CABLE PULL SWITCHES

Emergency Cable Pull Switches are designed to provide continuous emergency stop control along exposed areas of machinery and conveyors which present hazards to operator/maintenance personnel. As such, they can fulfill the requirements of having a means of an emergency shutdown at every area where a work related task is being preformed. Unlike isolated E-Stop pushbuttons, emergency cable-pull systems can be actuated at any point along the "trip wire".

Schmersal emergency cable pull switches feature the required reset function, double-break contact blocks offering a choice of several contact variations, optional integrated E-Stop palm button and the required means of tension monitoring. Once the trip wire is tensioned, the switch will initiate an emergency shutdown if an operator falls into, is pulled into, or pulls on the trip wire and will also fail to safe if the cable is cut or goes slack.

Keyed or pull ring reset — T3Z 068

Reset button — ZQ700

Optional e-stop / Reset button — ZQ900

Reset button — RS65x

Dupline

ZQ700
up to 10 M
Reset button

ZQ900
up to 75 M
Reset button
Optional E-Stop

T3Z 068
Bi-directional,
up to 50 M both directions
Keyed or pull ring reset

RS65x
Bi-directional,
up to 100 M both directions
Reset button

Ordering Details
ZQ700-①

① Contacts:
    11   1 NO & 1 NC
    02   2 NC

Ordering Details
ZQ900-①-②

① Contacts:
    11   1 NO & 1 NC
    13   1 NO & 3 NC
    22   2 NO & 2 NC
    02   2 NC
    04   4 NC
② Emergency Stop pushbutton:
    Blank   without E-Stop button
    N   with E-Stop button

Ordering Details
T3Z068-①YR②③

① Contacts:
    11   1 NO & 1 NC
    22   2 NO & 2 NC
    33   3 NO & 3 NC
② Reset Type:
    Blank   Pull ring reset
    S   Key reset
③ Indicator Lamp:
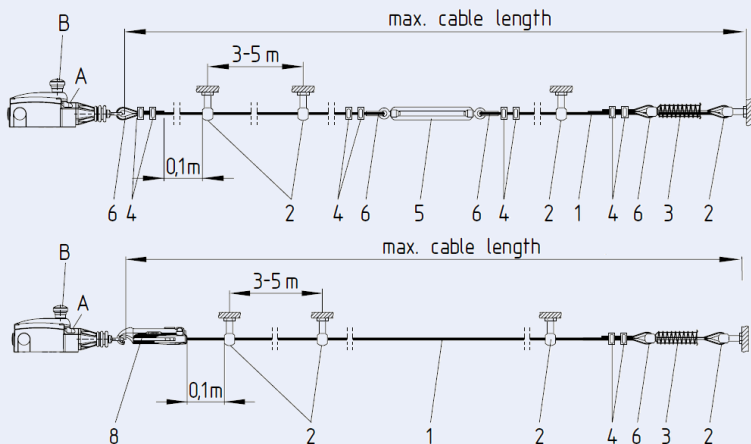   *Blank*   without indicator lamp
    G   with indicator lamp

Ordering Details
RS65①-Z22-②-③

① Housing material
    5   Cast iron, painted
    6   Thermosetting resin
② Indicator lamp (Red)
    Blank without lamp
    G024 lamp, 24 VDC
    G115 lamp, 115 VAC
    G230 lamp, 230 VAC
③ Integrated Dupline input module
    Blank without Dupline
    DS   with Dupline

Cable and Installation Accessories

(1) Wire rope (red)
    STQ441-SC
(2) Eyebolt
    STQ441-EB
(3) Spring
    RZ-1731(ZQ700)
    RZ-2041(ZQ900)
    RZ-163E(T3Z 068)
    ACC-RS65X-TS(RS65x)
(4) Wire clamp
    STQ441-CC
(5) Tensioner
    STQ441-TB

(6) Wire thimble
    STQ441-TH
(7) Shackle
    S900-SH
(8) Rope tensioner
    S900

Pulley
    STQ441-PU
Signal lamp
    PL-M20-24V
    PL-M20-120V

Contact us for information on customizing a complete cable pull system - a preassembled kit which will include the cable pull switch, cable cut to length, and all the accessories needed for installation.

SCHMERSAL
THE DNA OF SAFETY