

THE

GATEKEEPER

Man-Machine Safeguarding News

March 2013

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Reference



NEW! GK-1 Catalog

New for 2014, the eleventh edition of our main Machine Guarding Safety Products catalog. 230 pages. Download a PDF [here](#).

Schedule

Emergency Stop Via Cable Pulls

Current OSHA, ANSI and NFPA 79 regulations, as well as certain International ISO standards, call out the requirement for every machine to have at least one Emergency Stop. In addition, an Emergency Stop is to be provided at every operator station in which a work related task is being performed.

On machinery where a work related task can stretch across an extended amount of space, it may become necessary to place several E-stop buttons along the entire length. A common example is a conveyer belt system which may have a continuous stretch of access points and hazards traveling several feet. In this application it may not be feasible to install multiple E-Stop buttons - due to component costs, wiring space, downtime in determining which E-Stop was actuated, etc.

An emergency cable pull switch is a simpler solution to this requirement since it can monitor a trip wire that is installed along the length of a machine, and in some cases even around corners. Emergency cable pull switches will monitor a tensioned trip wire and trigger a machine stop 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. Many also have the option of having an integrated e-stop button on the switch itself.

Product Spotlights

Schmersal offers a variety of Emergency Cable Pulls and related installation accessories:

ZQ700

This compact model has a thermoplastic housing, an integrated reset button and is capable of spanning lengths of up to 10 meters.

[More](#)



Webinar



Understanding and Implementation of Machine Safeguarding Standards

New Equipment Digest

MACHINE Design

Safety Webinar

Join us on Wednesday, April 2nd for an informative webinar where we will highlight some of the common thoughts and practices in machine safety integration as it pertains to both US and international safety standards. Starts at 2 pm EDT, 1 hour.

[Register Here](#)

News



Engineers' Choice Awards

Control Engineering magazine has chosen the AZM300 as a the Engineers' Choice for "*Safety - Machine Safety*".

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Schmersal USA

660 White Plains Road
Suite 160
Tarrytown, NY 10591



ZQ900

The ZQ900 is capable of spanning lengths of up to 75 meters and features an optional integrated E-Stop pushbutton, a metal housing, a position indicator, and a button reset.

[More](#)



T3Z 068

The heavy duty version is a bidirectional model, allowing for 50 meters in both directions and has either a pull ring or keyed reset.

[More](#)



Installation Components

We offer all the components required for installation: cable, eyebolts, wire clamps, tensioners, springs, and pulleys. Order pre-assembled wire kits for spans of 5M to 50M or individual pieces for a custom installation.

[More](#)



S900 Cable Tensioner

A unique wire tensioning device which hooks directly on to an eyelet of a cable pull switch to easily tension the wire rope with its "anti-slip" design.

[More](#)



Complete Custom Kits

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



Ask The Expert

Devin Murray,
T&V Functional Safety Engineer
ID-No. 4274/11

Q: Is an emergency stop cable pull switch required to have an integrated emergency stop palm button on it?

Tel: 888.496.5143
salesusa@schmersal.com

Schmersal Canada

15 Regan Road
Unit #3
Brampton, ON L7A 1E3
Tel: 905.495.7540
salescanada@schmersal.com

A: No. An integrated e-stop palm button is not a requirement for an emergency cable pull switch. It is often offered as an optional feature. If you have a long span, the tension close to the eyelet of the switch will be high and it may be difficult to pull on the trip wire. In such instances, having the integrated e-stop will provide a safe and easier means of actuating the switch in an emergency.

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