

TECH BRIEF:

HDS HEAVY DUTY SWITCH PLATFORM

The HDS series is a flexible and modular fourth-generation switchgear platform for a wide range of applications in heavy industry. The robust enclosure is available in plastic (Duroplast) or grey cast iron, and with IP66 and IP67 ratings are suitable for use under extreme ambient conditions. Options include an integrated Dupline installation bus or AS-I-Safety-at-Work for quick and easy networking, and an EX rated version is available for potentially explosive applications.

The function range is divided into two basic areas: position/belt alignment or emergency cable pull.

POSITION / BELT ALIGNMENT (BS)



The basic switch version is modular in structure and is supplied without actuating elements. Actuating levers are available for position detection and belt alignment applications.

Available with 2NO & 2NC or 3NO & 3NC contact configurations with slow action or snap action. All NC contacts are positive break in accordance with IEC 60947-5-1, Appendix K.

The user can adjust the pre-set switching points of the contacts between 10° and 35°. The shaft is serrated to provide positive linkage between the actuator lever and the switch.

ACTUATOR LEVERS

Position roller levers

- Stainless steel shafts



Belt alignment roller levers

- Stainless steel shafts
- Stainless steel roller



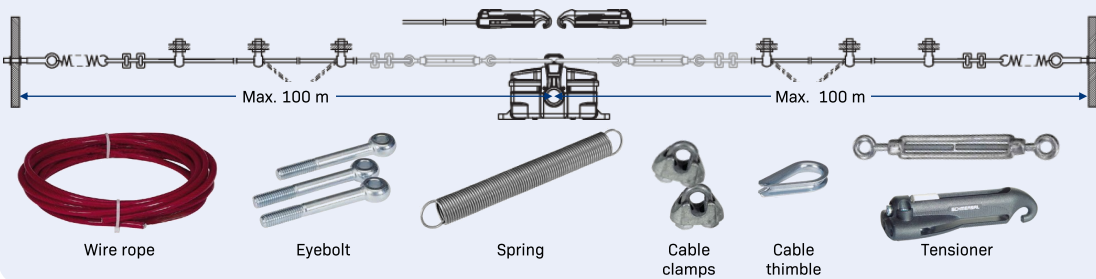
EMERGENCY CABLE PULL (RS)



The two-sided pull-wire emergency stop switches are designed for lengths of wire up to 100 m on each side. Pull-wire emergency stop switches with wire pull and wire breakage detection ensure a reliable emergency-stop function on material handling plants. If actuated, two-sided pull-wire emergency stop switches latch in the emergency-stop position and can only be unlocked when the reset button is pulled out. All devices satisfy the requirements of international standards IEC 60947-5-5, ISO 13850 and EN 620.

As a status display, the pull-wire emergency stop switch is equipped with a mechanical status indicator that is visible when triggered. The switch can be reset with the blue RESET button integrated into the lever.

CABLE PULL ACCESSORIES



ORDERING DETAILS

POSITION / BELT ALIGNMENT

BS65①-②-③-④

- Housing Material:

5	Cast iron, painted
6	Thermosetting resin
- Contacts:

Z22	snap action, 2 NO & 2 NC
T22	slow action, 2 NO & 2 NC
Z33	snap action, 3 NO & 3 NC
T33	slow action, 3 NO & 3 NC
- Indicator Lamp: (only for Z22/T22)

blank	no lamp
G024	red, 24 VDC
G115	red, 115 VAC
G230	red, 230 VAC
- Dupline integration

blank	without
DN	with

ACTUATOR LEVERS

Position switch roller levers

BS-H50-110-RVA metal roller

BS-H50-110-RKS plastic roller

Belt Alignment lever, stainless steel roller

BS-B30-150-RVA 30 mm Ø

BS-B50-150-RVA 50 mm Ø

BS-B90-150-RVA 90 mm Ø

EMERGENCY CABLE PULL

RS65①-Z22-②-③

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- Indicator Lamp:

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G115	red, 115 VAC
G230	red, 230 VAC
- DuplineSafe integration

blank	without
DS	with

ACCESSORIES

- | | |
|---------------------|-----------------|
| STQ441-SC | Wire rope (red) |
| STQ441-EB | Eyebolt |
| ACC-RS65X-TS | Spring |
| STQ441-CC | Cable clamp |
| STQ441-TH | Cable thimble |
| S900 | Tensioner |
| STQ441-TB | Tensioner |
| STQ441-PU | Pulley |

SAFETY CONTROLLERS

- | |
|---------------------------|
| SRB-E-201LC |
| SRB-E-301MC |
| SRB201LC |
| SRB301MC-24V |
| SRB301ST-48-230VAC |

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