BMH SOLUTIONS

BMH EPK-30 PULL KEY

EMERGENCY STOP · EPK-30 SERIES

PULL. STOP. LOCKED.

A cast-aluminium pull-cord switch with manual reset. One pull on the cable along the conveyor opens the stop circuit and latches the mechanism. The belt stays stopped until someone deliberately resets the switch on site.

EPK-30 EMERGENCY PULL KEY



WHY IT PAYS OFF

STOP FROM THE WALKWAY

An accessible pull cable along the protected section: anyone can trip the conveyor where they stand.

RESET ON PURPOSE

The switch stays latched after the cable is released. Manual reset only after the cause is found.

STOP + SIGNAL

Separate contacts for the stop circuit and for indication in the control room.

2 NO + 2 NC
stop and indication

30°
trip angle

Cast Al
yellow, heavy duty

Custom
actuator handle on request

Manual reset · latching mechanism · cast-aluminium housing · custom actuator handle on request

SUPPLY & SERVICE IN KAZAKHSTAN
Stock, selection and on-site support by BMH Solutions, Astana

bmh.kz
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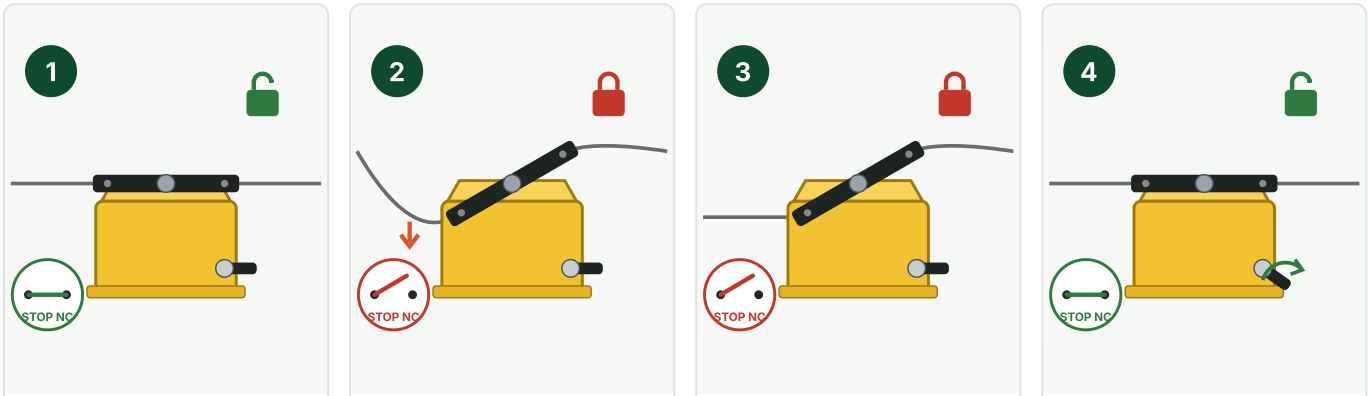
HOW IT WORKS

Pulling the cable rotates the actuator and changes the contacts. The mechanism latches. Releasing the cable does not reset it — only the reset lever on the switch does, and even then the conveyor waits for a separate start command.



READY

Cable tensioned, actuator level. Stop contact closed, conveyor may run.

READY

Conveyor running

CABLE PULLED

The actuator turns about 30°. Stop contacts open, mechanism latches.

TRIPPED

Conveyor stops

CABLE RELEASED

The switch stays latched. Nobody can restart the belt from a distance.

LATCHED

Stays stopped

MANUAL RESET

Cause cleared, area safe: reset lever on the switch. Restart only by a separate start command.

READY

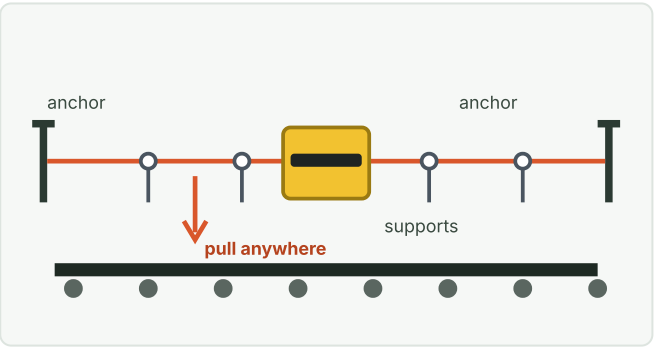
Awaiting start

CONTACT STATES

Switch state	Stop NC	Indication NO
Ready	closed	open
Pulled / latched	open	closed
Cable released	stays open	stays closed

Use the stop contact in the conveyor stop circuit and the indication contact for the alarm or SCADA signal.

CABLE LAYOUT



Cable anchored at both ends, supported along the route and kept clear of moving parts. Spacing is set by the conveyor and checked by a pull test at the farthest point.

Safety you can rely on

Releasing the cable or resetting the switch never starts the conveyor. The switch is part of the emergency stop system — it does not replace guards, isolation and lock-out. Cable-break or slack-cable monitoring, where required, is provided by a separate device.

TECHNICAL DATA

Operating method	**Cable pull rotates the actuator**
Trip angle	**30°**
Mechanical limit	**60°**
Reset	**Manual reset lever**
Contacts	**2 NO + 2 NC**
Housing	**Cast aluminium, safety yellow**
Ambient temperature	**−30 … +75 °C**
Humidity	**up to 85 % RH**
Contact rating	**per contact block, on request**

INSTALLATION & COMMISSIONING

- Mount on a rigid bracket; check the hole pattern on the casting before drilling.
- Fix the cable to the actuator, anchor both ends and support it along the route, clear of machinery.
- Set the tension so the switch trips reliably from every point and resets freely.
- Commission with a pull test near the switch, mid-span and at the farthest point; repeat after any change.
- Test regularly as part of the site inspection plan — we recommend monthly.

ORDERING CODE

BMH-EPK	30	S	M20
Series Emergency pull key	**Model** 30° trip, manual reset	**Handle** S — standard, C — custom	**Cable entry** M20 × 1.5

CATALOGUE NUMBERS

Catalogue No.	Description
BMH-EPK-30-S-M20	Pull key, standard actuator handle
BMH-EPK-30-C-M20	Pull key, custom actuator handle
BMH-EPK-CK	Cable kit: steel cable, eye bolts, thimbles, clamps, tension spring
BMH-EPK-SP-RL	Reset lever assembly
BMH-EPK-SP-CB	Contact block

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Specifications may change without notice. The stop circuit must be designed and validated for the specific conveyor.