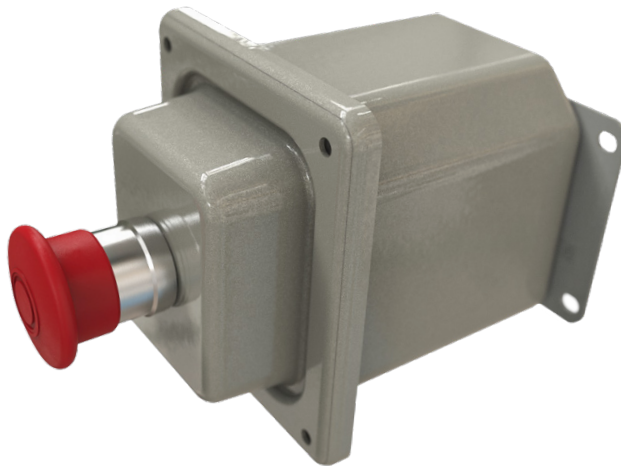


REPLACEMENT & AFTERMARKET

MUSHROOM HEAD E-STOPS



Collaborate / Create / Convey

TABLE OF CONTENTS

Mushroom Head E-Stops	02	Product specifications	05
Applications	03	Compliance Standards	06
Key Features	04	The Engineering Advantage	07
		Contact Information	08

© 2026 Fluent Conveyor. All rights reserved.

All content, including text, graphics, and product specifications, is the property of Fluent Conveyor and may not be reproduced, distributed, or transmitted in any form without prior written permission.

MUSHROOM HEAD E-STOPS



Mushroom Head E-Stops

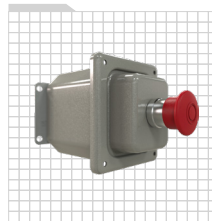
Mushroom head emergency stops provide immediate, decisive power interruption across high-risk material handling environments to eliminate personnel hazards and uncontrolled machinery states. These devices utilize normally closed (NC) contact configurations wired directly into safety relay circuits to execute fail-safe motor de-energization.

Impact-resistant housing materials ensure structural longevity when deployed across operator stations, transfer points, and automated control panels to command instantaneous conveyor shutdowns. Operational environments dictate the specific enclosure ratings required to protect internal switch mechanisms from atmospheric contaminants and liquid exposure.



NEMA 12 Configurations

Deliver standard industrial protection against dust, dirt, and dripping liquids for indoor recycling facilities, manufacturing plants, and general conveyor operations.



NEMA 4 Configurations

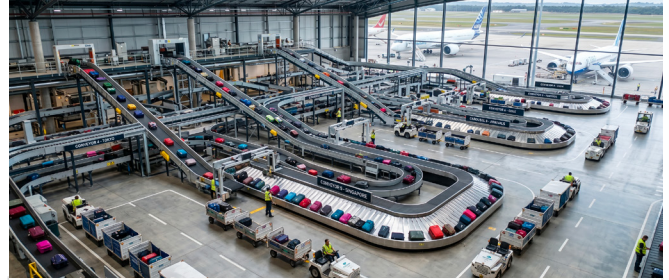
Utilize weather-resistant sealed construction to withstand rain, dust exposure, and corrosive environments across outdoor conveyors and wash plants.

APPLICATIONS



Recycling Sort Stations

Multi-conveyor sorting systems demand coordinated emergency stop networks for worker safety during manual material handling. Mushroom head units integrate into safety relay circuits to sequence shutdowns across converging lines.



Variable Frequency Drive Enclosures

Automated motor control centers utilize local manual override capabilities. Wire directly into the panel to override VFD commands and drop contactor power.



Radial Stacker Conveyors

Pivoting material handling environments require strategic stop access points. Install at swivel points and along elevated sections to halt belt movement.



Tumble-Back Conveyors

Steep-incline metering applications present risks of material rollback during power interruptions. Place near the discharge point to execute controlled mechanical shutdowns.



D4 Car Shredder Infeed Conveyors

Extreme heavy-duty vehicle handling involves severe operational impact forces. Deploy metal enclosure configurations to withstand robust operational abuse.



Outdoor Wash Plants

Weather-exposed operations face consistent rain, dust, and corrosive substance exposure. Specify NEMA 4 rated units featuring fully sealed enclosure construction.

KEY FEATURES

01**40mm Red Actuator:**

Provides high visibility and adequate surface area for palm activation across standard operator stations.

02**Positive Latching Mechanism:**

Maintains the depressed switch position until manually reset to prevent accidental reactivation.

03**22mm Mounting Standard:**

Accommodates standard panel or enclosure installation requirements.

04**Pull-Release Pushbutton:**

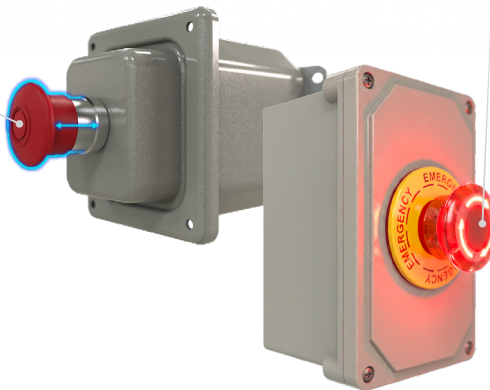
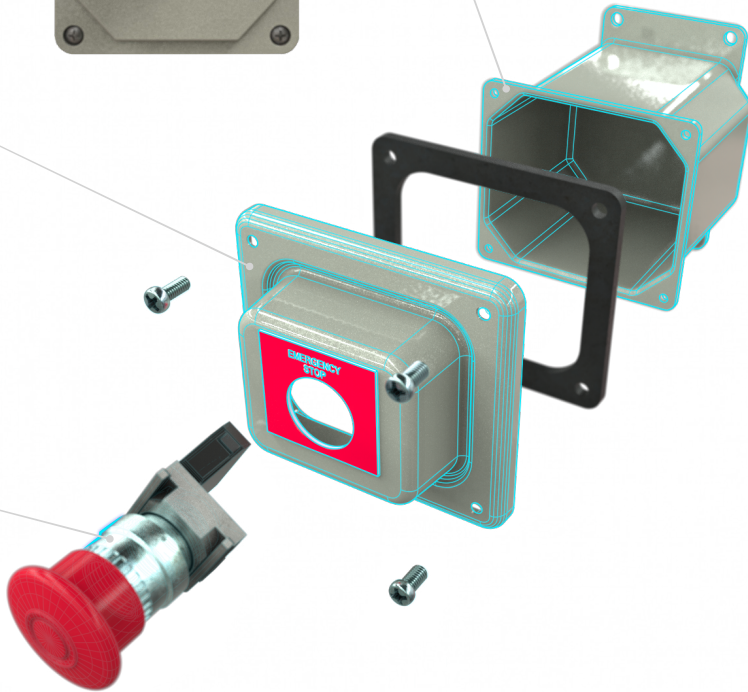
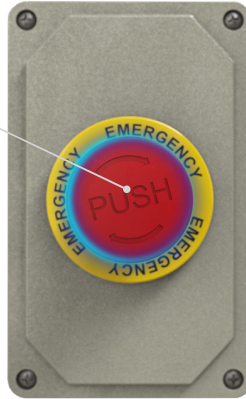
Requires deliberate operator pulling action to reset the switch after initial activation.

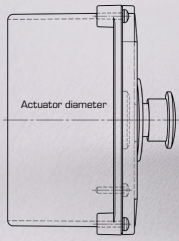
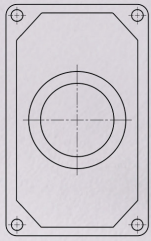
05**Polycarbonate Enclosure Construction:**

Delivers structural impact resistance for harsh industrial operating environments.

06**LED Status Indication:**

Visually identifies the device's activation status in multi-station setups or high-decibel environments.





MUSHROOM HEAD E-STOPS SPECIFICATIONS

Parameter	Specification	Notes
Actuator diameter	40mm	Typical diameter
Mounting hole size	22mm	Standard for panel installation
Contact block options	1, 2, or 4 blocks	Suits control requirements
Reset mechanism types	Pull-to-reset or twist-to-reset	Prevents accidental reactivation
Enclosure options	NEMA 4, NEMA 12	Rated for temperature environments
Illumination options	LED	Visual status indication
Actuation force	4-5 pound	ASME B20.1 requirement
Mounting height range	24-67 inches	Above walking surface
Maximum E-stop spacing	100-foot	ASME B20.1 requirement

COMPLIANCE STANDARDS

Mushroom head E-stops must meet the following regulatory and industry standards for placement, actuation, and electrical configuration.

OSHA 1910.212 and 1910.147

Federal workplace directive mandating integrated emergency stop mechanisms, operational lockout/tagout procedures, and documented maintenance records.

ISO 13850

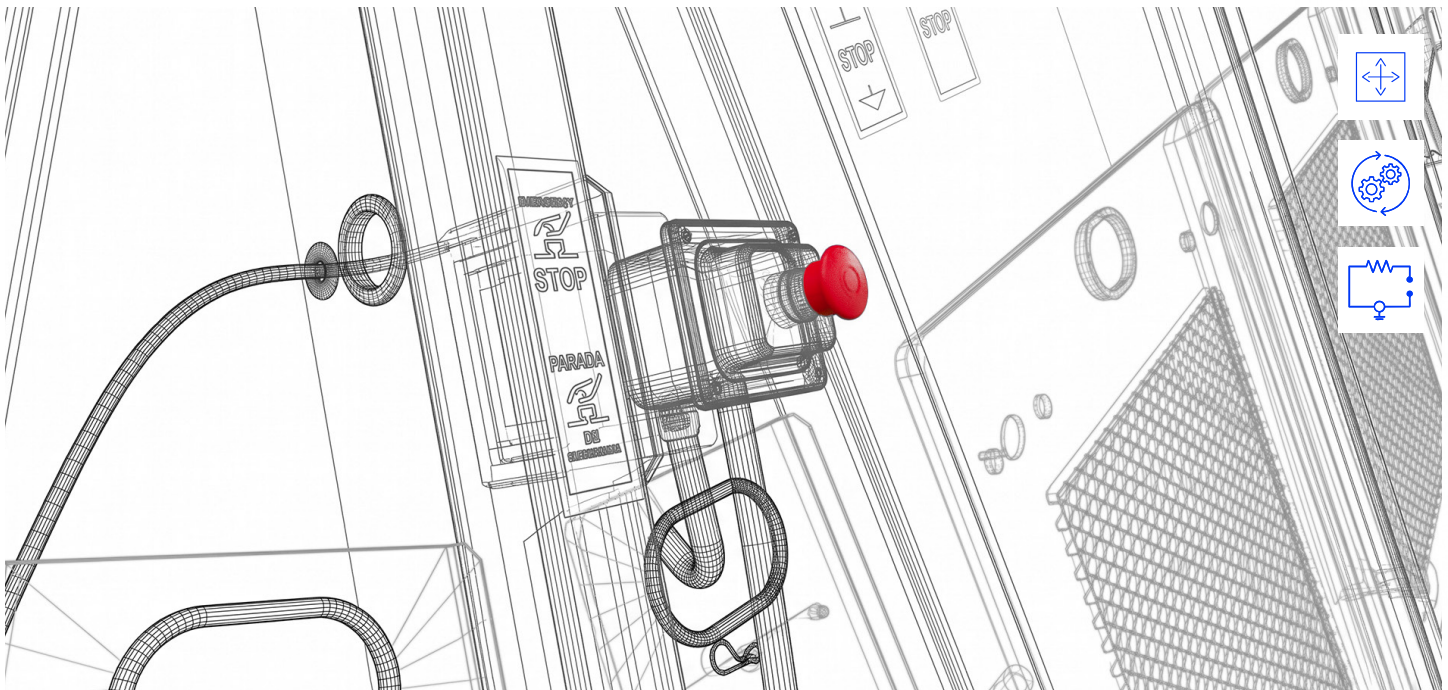
International function standard requiring Performance Level PLc or SIL 1 ratings, Stop Category 0 or 1 execution, and intentional manual reset actions prior to system restart commands.

ASME B20.1

Primary US conveyor standard establishing 100-foot maximum spacing intervals, 24-67 inch dimensional mounting heights, and 4-5 pound mechanical actuation force requirements.

CEMA Standards

Industry equipment benchmark dictating specific red-on-yellow hardware visibility, physical actuator protrusion, and absolute operational control override priority.



THE ENGINEERING ADVANTAGE

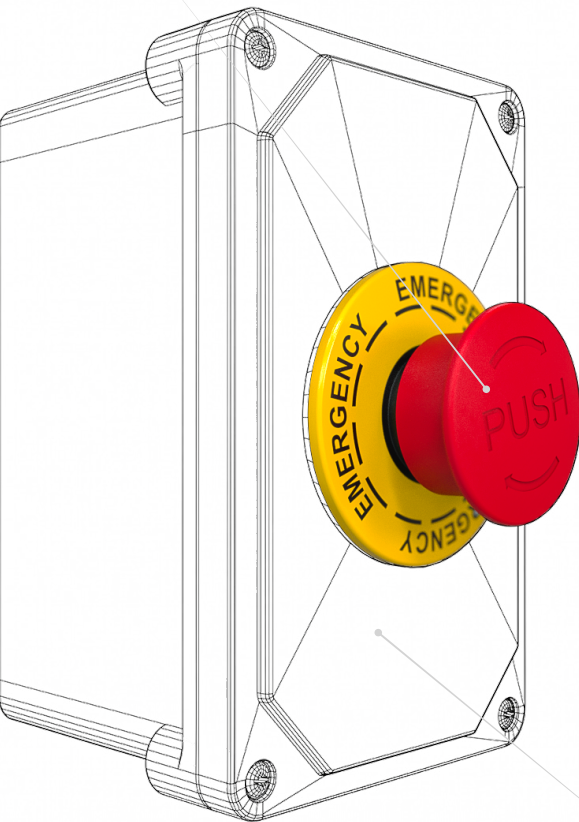
This section outlines the core engineering methodology behind mushroom head E-stops, covering design principle areas to ensure regulatory compliance and operational integration.

Normally Closed Contact Configuration

Interrupts normal control logic and de-energizes motors upon actuation for fail-safe circuit operation.

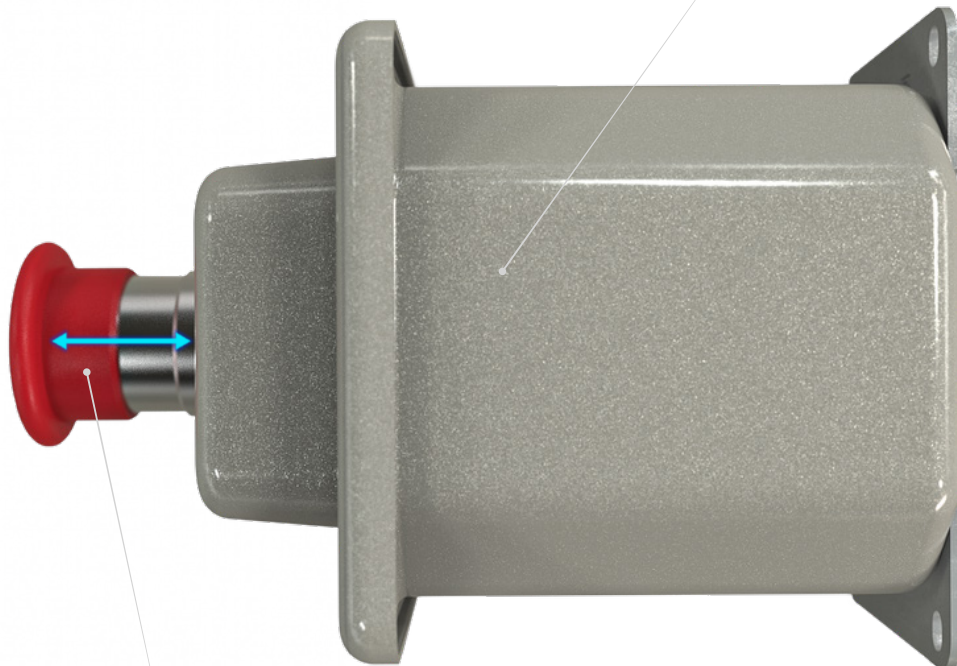
Safety Relay Circuit Integration

Drops power to the motor contactors when any device in the wired chain is activated.



Category 0 Stop Coordination

Executes immediate power removal from conveyor subsystems upon circuit interruption.



Pull-Release Mechanism

Requires deliberate operator pulling action to reset the switch, providing tactile indication of the reset state.

CONTACT INFORMATION

OUR ENGINEERS WILL SPEC THE EXACT PART FOR YOUR SYSTEM

For product specifications, engineering support, or order inquiries, please contact our team using the information provided below. Our specialists are available to ensure accurate recommendations and efficient service for your application requirements.

Reach Us Directly

Email

Send us your questions or requests, and we'll respond promptly.

sales@fluentconveyors.com

Phone

Call us for immediate assistance and technical support.

[+1\(866\) 764-2980](tel:+18667642980)

Business Hours

Monday - Friday

8:00 AM – 5:00 PM MST

Departments

Sales & Quoting

Product pricing, availability, and order placement.

sales@fluentconveyors.com

Customer Service

Product pricing, availability, and order placement.

[+1 \(303\) 390-1228](tel:+13033901228)

Engineering

Technical specs, application review, custom configurations.

engineering@fluentconveyors.com