

Lifeline 5 Cable-Pull Switches

One of the most advanced cable-pull switches on the market – now with GuardLink technology

Features and Benefits

- A microprocessor-based solution now featuring embedded GuardLink® technology for advanced functions and diagnostics that enhance safety while improving productivity
- Designed to meet rigorous safety requirements, even in series connection.
 - TÜV Approved
 - PLe, Cat 4 according to EN ISO 13849-1
 - SIL CL3 per IEC 62061 and IEC 61508
 - EN ISO 13850 and IEC 60947-5-5
- Rugged stainless-steel (IP69) or die-cast aluminum (IP66) housings with optional E-stop button
- Now available in new dual-head versions for long cable runs – up to 200m (656 ft.)
- Wide operating temperature range -40° C to +75° C (-40° F to 167° F) on stainless-steel versions
- Electronic rope monitoring system monitors the cable span and compensates for thermal expansion
- 270-degree visible LED indicators offer diagnostic for switch and tensioning setup
- Built-in margin indication helps reduce down time
- Outputs
 - (M12 8-pin Version)
 - 2 OSSDs for safety
 - 1 Auxiliary
 - 1 Tension/margin (8-pin model only)
 - (M12 5-pin Version)
 - Autodetect between OSSD and GuardLink mode depending upon the system connection



The Lifeline™ 5 cable-pull switch is a microprocessor-based solution that brings advanced features and diagnostics that help enhance safety while improving productivity. The latest additions to the family now feature embedded GuardLink® technology, making the Lifeline 5 cable-pull switch a smart device that provides the benefits of enunciation and product-specific diagnostics while reducing wiring, simplifying installation and enabling premier integration. And it does all this while performing at high safety standards (TÜV certified to PLe, Cat 4, SIL 3), even when connected in series. Ultimately, the addition of GuardLink allows for more efficient maintenance and troubleshooting, making the Lifeline 5 cable-pull switch one of the most advanced in the market today.

Easy to operate, the solid-state Lifeline 5 cable-pull switch is offered in stainless-steel (IP66, IP67, IP69) or die cast aluminum (IP66) housings with optional emergency stop (E-stop) button. Offering constant access to the E-stop function through a simple pull of the attached cable, the Lifeline 5 cable-pull switch with GuardLink is also available in new dual-head versions for long cable runs – up to 200m (656 ft.). With operating temperature ranging from -40°C to +75°C (-40°F to 167°F), the Lifeline 5 cable-pull switch constantly monitors cable tension and compensates for thermal expansion and cable sag as well as spurious trips due to objects/ personnel inadvertently striking the cable. The easy-to-see 270° LED indicators assist in cable tensioning for quick, precise setup while providing switch status and diagnostics during operation. These features and the rugged construction of the Lifeline 5 cable-pull switch help optimize productivity by combining maximum reliability with diagnostics that can help the user address potential issues before they lead to unplanned downtime.

The Lifeline 5 cable-pull switch is suited for applications requiring uninterrupted access to an E-stop. Key applications/industries include material handling equipment, distribution centers and food and beverage applications.



Allen-Bradley

by ROCKWELL AUTOMATION

Product selection

Description	Cat. No. ⁽¹⁾	Outputs ⁽²⁾	Connection	Connection Cable ⁽³⁾
Single-head Lifeline 5 with E-stop	440E-LL5SE5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889D-F5AC-2
			5-pin micro (M12) connects to ArmorBlock® Guard I/O™ modules	889D-F4ACDM-2
	440E-LL5SE8	2 OSSD inputs, 2 OSSD outputs, 1 aux output, 1 tension output	8-pin micro (M12)	889D-F8AB-2
Single-head Lifeline 5 without E-stop	440E-LL5SN5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889D-F5AC-2
			5-pin micro (M12) connects to ArmorBlock Guard I/O modules	889D-F4ACDM-2
	440E-LL5SN8	2 OSSD inputs, 2 OSSD outputs, 1 aux output, 1 tension output	8-pin micro (M12)	889D-F8AB-2
Single-head Lifeline 5 stainless steel without E-stop	440E-LL5SS5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889DS-F5AC-2
			5-pin micro (M12) connects to ArmorBlock Guard I/O modules	889D-F4ACDM-2
	440E-LL5SS8	2 OSSD inputs, 2 OSSD outputs, 1 aux output, 1 tension output	8-pin micro (M12)	889DS-F8AB-2
Dual-head Lifeline 5 with E-stop	440E-LL5DSE5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889D-F5AC-2
			5-pin micro (M12) connects to ArmorBlock Guard I/O modules	889D-F4ACDM-2
Dual-head Lifeline 5 without E-stop	440E-LL5DSN5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889D-F5AC-2
			5-pin micro (M12) connects to ArmorBlock Guard I/O modules	889D-F4ACDM-2
Dual-head Lifeline 5 stainless steel without E-stop	440E-LL5DSS5	2 OSSD outputs, 1 aux output	5-pin micro (M12)	889DS-F5AC-2
			5-pin micro (M12) connects to ArmorBlock Guard I/O modules	889D-F4ACDM-2

⁽¹⁾ Tension spring included.

⁽²⁾ All M12 5-pin devices: Autodetects between OSSD and GuardLink mode.

⁽³⁾ Replace the 2 with 5 (5 m [16.4 ft]) or 10 (10 m [32.8 ft]) for standard cable lengths.

Accessories*

Description	Length	Catalog Number
LRTS installation kit 	5 m (16.4 ft)	440E-A13079
	10 m (32.8 ft)	440E-A13080
	15 m (49.2 ft)	440E-A13081
	20 m (65.6 ft)	440E-A13082
	30 m (98.4 ft)	440E-A13083
	50 m (164 ft)	440E-A13084
	75 m (246 ft)	440E-A13085
Stainless steel installation kit 	5 m (16.4 ft)	440E-A13194
	10 m (32.8 ft)	440E-A13195
	15 m (49.2 ft)	440E-A13196
	20 m (65.6 ft)	440E-A13197
	30 m (98.4 ft)	440E-A13198
	50 m (164 ft)	440E-A13199
	75 m (246 ft)	440E-A13200

Description	Catalog Number
Steel replacement spring 	440E-ASPRING
Stainless steel replacement spring 	440E-ASPRING-SS

* 1 x length of cable (rope), 2 x grippers, 1 x tensioner and quantity of eyebolts

To learn more, visit rok.auto/home



expanding human possibility®

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2663 0600

ASIA PACIFIC: Rockwell Automation SEA Pte Ltd, 2 Corporation Road, #04-05, Main Lobby, Corporation Place, Singapore 618494, Tel: (65) 6510 6608

UNITED KINGDOM: Rockwell Automation Ltd., Pitfield, Kiln Farm, Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908) 838-800

Connect with us.    

Allen-Bradley, ArmorBlock, expanding human possibility, Guardlink, Lifeline, and Rockwell Automation are trademarks of Rockwell Automation, Inc.

Publication 440E-PP001D-EN-P - February 2026 | Supersedes Publication 440E-PP001C-EN-P - July 2017

Copyright © 2026 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.