

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ALLEN-BRADLEY

Allen-Bradley 440K-E33080 Guardmaster Elf Miniature Tongue Interlock Switch

The Allen-Bradley 440K-E33080 Guardmaster Elf Miniature Tongue Interlock Switch is a compact safety interlock engineered for machine guarding applications in space-constrained environments. This Type 2 interlocking device prevents machinery operation when access points, guards, or doors are open, protecting personnel through direct opening action and dual normally closed safety contacts. Built from glass-filled PBT with a stainless steel actuator, the switch delivers IP67 ingress protection and operates across industrial temperature ranges. Typical Applications Machine access guard interlocking on presses, injection molding machines, and automated assembly equipment where compact form factors and high reliability are required. Compatibility & Integration M16 conduit entry; connector options include M16, 1/2 inch NPT, 4-pin Micro (M12), and 5-pin Micro (M12). Standard cable lengths: 2 m



MODEL

**Allen-Bradley
440K-E33080**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

440K-E33080

LISTING

<https://aumictechlabs.com/products/440k-e33080-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Allen-Bradley 440K-E33080 Guardmaster Elf Miniature Tongue Interlock Switch is a compact safety interlock engineered for machine guarding applications in space-constrained environments. This Type 2 interlocking device prevents machinery operation when access points,

guards, or doors are open, protecting personnel through direct opening action and dual normally closed safety contacts. Built from glass-filled PBT with a stainless steel actuator, the switch delivers IP67 ingress protection and operates across industrial temperature ranges.

Technical Specifications

Electrical Performance: Maximum voltage rating: 600V AC / 600V DC Thermal current (I_{th}): 5 A (standard) / 10 A (A600 configuration) Rated insulation voltage (U_i): 2500V / 500V Minimum switching current: 3 mA @ 18V DC; 5 mA @ 5V DC AC utilization category A600/AC-15 at 600V: 1.2 A; 500V: 1.4 A; 240V: 3.0 A; 120V: 6.0 A DC utilization category N600/DC-13 at 600V: 0.4 A; 500V: 0.55 A; 250V: 1.1 A; 125V: 2.2 A DC-13 (24V): rated per specifications

Physical Dimensions: Length: 75 mm (2.95 in.); Width: 25 mm (0.98 in.); Depth: 29 mm (1.14 in.) Weight: approximately 60 g (2.11 oz) Operating temperature: -20°C to +80°C Enclosure rating: IP67

Mechanical Operation: Actuator type: flat tongue with stainless steel construction Contact configuration: 2 normally closed (NC) safety contacts or configurable as 1 NO + 1 NC Auxiliary contacts: 1 NO option available Eight actuator entry points with rotatable dual-entry head Maximum actuation speed: 160 mm/s (6.29 in./s) Maximum actuation frequency: 2 cycles/s Minimum operating radius: 150 mm (5.9 in.); 60 mm with GD2 kit

Key Features Direct opening action ensures fail-safe engagement Glass-filled PBT housing with stainless steel actuator provides durability Eight entry options accommodate flexible mounting configurations Certification across ISO 14119, IEC 60947-5-1, EN954-1, ISO 13849-1, NFPA79, and ANSI B11.19 c-UL-us Listed, TÜV Certified, CE Marked, with CCC, KC, UL approvals

Typical Applications Machine access guard interlocking on presses, injection molding machines, and automated assembly equipment where compact form factors and high reliability are required.

Compatibility & Integration M16 conduit entry; connector options include M16, 1/2 inch NPT, 4-pin Micro (M12), and 5-pin Micro (M12). Standard cable lengths: 2 m, 5 m, or 10 m.

440KE33080 Characteristics / Specifications

PARAMETER	VALUE
Model	440K-E33080
Instrument Type	Miniature tongue operated safety interlock switch
Family	Allen-Bradley Guardmaster 440K Elf
Safety Contacts	2 NC
Actuator	flat key included
Conduit	M16
Housing Size	75 × 25 × 29 mm (2.95 × 0.98 × 1.14 in)
Housing Material	glass-filled PBT, red
Ingress	IP67
Head Directions	8 actuator entry points
Door Radius	60 mm (2.36 in) with semi-flexible key
Max Ac Voltage	600 VAC
Max Dc Voltage	600 VDC
Max Current	2.2 A / 6 A (distributor row); 240 VAC / 3 A contact row
Operating Temperature	minus 20 C to plus 80 C
Mechanical Life	1 000 000 cycles
Interlock Type	Type 2 per ISO 14119
Switch Standard	IEC 60947-5-1
Approvals	CE, cULus, TUV
Guard Styles	sliding, hinged or lift-off leading edge
Unused Slot	blanking plug supplied
Manufacturer	Allen-Bradley / Guardmaster (Rockwell Automation)
Literature	Rockwell 440K Elf miniature tongue interlock catalog and 440K-E33080 2 NC flat-key M16 row
Sibling	440K-E33036 1 NC + 1 NO flat key; 440K-E33041 2 NC standard key

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 20 C to plus 80 C
Operating Temperature	minus 20 C to plus 80 C
Mechanical Life	1 000 000 cycles
Interlock Type	Type 2 per ISO 14119
Switch Standard	IEC 60947-5-1
Approvals	CE, cULus, TUV
Guard Styles	sliding, hinged or lift-off leading edge
Unused Slot	blanking plug supplied
Manufacturer	Allen-Bradley / Guardmaster (Rockwell Automation)
Literature	Rockwell 440K Elf miniature tongue interlock catalog and 440K-E33080 2 NC flat-key M16 row
Sibling	440K-E33036 1 NC + 1 NO flat key; 440K-E33041 2 NC standard key Notes From Rockwell 440K Elf catalog dimensions/IP/approvals and the 440K-E33080 2 NC flat-key M16 configuration. GD2 metal-guide and M12 connector catalog numbers are other Elf rows.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	440K-E33080
Instrument Type	Miniature tongue operated safety interlock switch
Family	Allen-Bradley Guardmaster 440K Elf
Safety Contacts	2 NC
Actuator	flat key included
Conduit	M16
Housing Size	75 x 25 x 29 mm (2.95 x 0.98 x 1.14 in)
Housing Material	glass-filled PBT, red
Ingress	IP67
Head Directions	8 actuator entry points
Door Radius	60 mm (2.36 in) with semi-flexible key
Max Ac Voltage	600 VAC
Max Dc Voltage	600 VDC
Max Current	2.2 A / 6 A (distributor row); 240 VAC / 3 A contact row
Operating Temperature	minus 20 C to plus 80 C
Mechanical Life	1 000 000 cycles
Interlock Type	Type 2 per ISO 14119
Switch Standard	IEC 60947-5-1
Approvals	CE, cULus, TUV
Guard Styles	sliding, hinged or lift-off leading edge
Unused Slot	blanking plug supplied
Manufacturer	Allen-Bradley / Guardmaster (Rockwell Automation)
Literature	Rockwell 440K Elf miniature tongue interlock catalog and 440K-E33080 2 NC flat-key M16 row
Sibling	440K-E33036 1 NC + 1 NO flat key; 440K-E33041 2 NC standard key
Notes	
From Rockwell 440K Elf catalog dimensions/IP/approvals and the 440K-E33080 2 NC flat-key M16 configuration.	

GD2 metal-guide and M12 connector catalog numbers are other Elf rows.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.