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Data Sheet

August 13, 2026

ROCKWELL / ALLEN-BRADLEY

Rockwell / Allen-Bradley TLS-GD2 Power to Lock Guard Locking Switch

The Rockwell/Allen-Bradley TLS-GD2 is a tongue-operated guard locking interlock switch designed to prevent access to hazardous machinery until power isolation is confirmed. This positive-mode safety device maintains guard integrity during equipment operation and delayed-stop scenarios. The TLS-GD2 is available in power-to-lock and power-to-release configurations, with maximum holding force of 2000 N and peak force of 2600 N using steel bolts. Typical Applications Guard locking on industrial machinery with extended stopping times; safeguarding during maintenance windows; equipment requiring fail-safe access control. Compatibility & Integration Works with standard industrial control circuits. Contact configuration flexibility accommodates door position monitoring and lock status feedback requirements. Aumictech offers NIST-traceable calibration and repair for the Rockwell / Allen-Bradley



MODEL

Rockwell / Allen-Bradley TLS-GD2

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TLS-GD2

LISTING

<https://aumictechlabs.com/products/tls-gd2-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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stop scenarios. The TLS-GD2 is available in power-to-lock and power-to-release configurations, with maximum holding force of 2000 N and peak force of 2600 N using steel bolts. Technical Specifications Switch Operation Actuation: Tongue-operated, positive mode Locking configurations: Power-to-lock (TLS-2 GD2) or power-to-release (TLS-1 GD2, TLS-3 GD2) Maximum holding force (Fzh): 2000 N (450 lb) with steel bolts Maximum force (Fmax): 2600 N (585 lb) with steel bolts Mechanical life: 1,000,000 operations Electrical life: 1,000,000 operations Electrical Contacts Contact sets: Five total Safety contacts: Normally closed (N.C.) with direct opening action Auxiliary contacts: Normally open (N.O.) for monitoring Typical configurations: 2 N.C. safety with 1 N.O. auxiliary; 3 N.C. safety with 2 N.O. auxiliary (TLS-1 & -2); 4 N.C. safety with 1 N.O. auxiliary (TLS-3) Contact rating (440G-TLS*): AC-15 A600 at 240V/3A or 120V/6A; DC-13 N150 at 125V/2.2A Minimum switching: 3 mA / 18V Solenoid Specifications Voltage options: 24V AC/DC, 110V AC, 110V AC/DC, 230V AC/DC Power consumption: 7W, 100% EDKey Features High ingress protection suitable for washdown environments Multiple contact configurations for safety and monitoring circuits Compliance with EN 1088, EN 60947-5-1, ISO 13849-1:2006, IEC 62061, and ISO 14119 Certifications: CCC, CE, CUL, KC, UL Applicable for ISO 13849-1:2006 and IEC 62061 safety integrity requirements Typical Applications Guard locking on industrial machinery with extended stopping times; safeguarding during maintenance windows; equipment requiring fail-safe access control. Compatibility & Integration Works with standard industrial control circuits. Contact configuration flexibility accommodates door position monitoring and lock status feedback requirements.

Features & description

From manufacturer datasheet

Features

- 440G TLS-GD2 solenoid guardlock family

TLSGD2 Characteristics / Specifications

PARAMETER	VALUE
Model	TLS-GD2
Manufacturer	Allen-Bradley / Rockwell Automation Guardmaster
Instrument Type	Solenoid Guard Locking Interlock Family
Series	440G TLS-GD2
Alias	TLS-GD2; TLS GD2; 440G TLS-GD2; Guardmaster TLS-GD2
Catalog Prefix	440G-T
Example Catalog	440G-T27181 power to release, 24 V AC/DC, 2 N.C. BBM, 1 N.O. aux, M20
Lock Modes	power to release or power to lock (catalog-specific)
Solenoid Voltages	24 V AC/DC and other TLS-GD2 voltage catalogs
Safety Contacts	2 N.C. class on GD2 standard examples
Auxiliary	1 N.O. class on GD2 standard examples
Contact Operation	break before make on listed GD2 standard
Body	GD2 standard plastic
Conduit	M20; 1/2 in NPT adapter on some catalogs
Actuator	dedicated TLS-GD2 tongue actuator
Installation	440G-IN003
Function	locks guard until solenoid condition is met
NotAPLC	mechanical/electromechanical interlock only
Safety Wiring	use with listed safety relays or safety PLCs
Standards Intent	machine guarding per the TLS-GD2 publication (ISO 14119 class applications)
IP And Life	see 440G-IN003; not invented here
Replacement	match 440G-T full catalog string, not the family name alone
Related	440G-T27181 is one configured SKU in this family
Status	Guardmaster catalog family Notes Family identity file. Use 440G-T27181 (or the installed 440G-T number) for solenoid voltage and

PARAMETER

VALUE

contacts. Do not invent locking force or IP if not taken from 440G-IN003.

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	
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PARAMETER	VALUE
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Standards Intent	machine guarding per the TLS-GD2 publication (ISO 14119 class applications)
IP And Life	see 440G-IN003; not invented here

Specifications

PARAMETER	VALUE
Replacement	match 440G-T full catalog string, not the family name alone
Related	440G-T27181 is one configured SKU in this family
Status	Guardmaster catalog family

Notes

Family identity file. Use 440G-T27181 (or the installed 440G-T number) for solenoid voltage and contacts. Do not invent locking force or IP if not taken from 440G-IN003.

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>

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