

Installation and Operating Instructions

Bulletin 440P DIN 50041 IEC/Safety Limit Switch

IMPORTANT: SAVE THESE INSTRUCTIONS FOR FUTURE USE.

This publication does not include all specifications, dimensions, or any special installation considerations. Refer to the product catalog pages for additional information.

ATTENTION



Installation of Allen-Bradley® Guardmaster® products should be in accordance with local and/or national codes. Servicing energized industrial control equipment can be hazardous if not in accordance to recommended safety procedures.

Improper selection or installation of the devices affect the integrity of the safety systems.

Personnel injury or death, property damage or economic loss can result.

Comply with ISO 14119 including selection, accessibility to the installation, arrangement and fastening, possible substitute actuation, access to the escape release, motivation to defeat, and actuation mode.

Management controls, working procedures, training, and additional protective measures should be used to minimize the motivation to defeat and to manage the use and availability of spare actuators.

Comply with ISO 13857 and ISO 13855 for guard openings and minimum (safe) distances.

Comply with IEC 62061 or ISO 13849-1 and ISO 13849-2 for functional safety.

Specifications

| | |
|----------------------------|--|
| AC/DC Designation | B300; Q300 |
| AC/DC Utilization Category | AC 15; DC 13 |
| Maximum Fusing Rate | 15 A fast acting |
| Impulse Voltage (Uimp) | 2500V |
| Enclosure Protection | IP66 |
| Pollution Degree | 3 |
| Storage Temperature | 80°C (176°F)/-25°C (-13°F) |
| Operating Temperature | 80°C (176°F)/-25°C (-13°F) |
| Direct Opening Action | Normally closed only (safety circuit) |
| Conductor Sizes | Use copper conductors only |
| Stranded | 0.75 mm ² to 2.5 mm ² (0.02 in. ² to 0.09 in. ²) (18-14 AWG) |
| Solid | 0.75 mm ² to 2.5 mm ² (0.02 in. ² to 0.09 in. ²) (18-16 AWG) |

ATTENTION



Operator heads with adjustable actuators are NOT intended for safety applications.

EN ISO 14119 replaces EN 1088 as the harmonized standard for interlocking devices associated with guards.

Functional safety information: http://literature.rockwellautomation.com/idc/groups/literature/documents/sr/safety-sr001_-en-e.pdf

Electrical life is dependent on load, therefore, operations are not applicable and withdrawn.

| Product | Intended Use |
|---------|--------------|
| 440P | Cam actuated |

ISO 14119 defines types of interlocking devices and coding:

| Product | Type | Coding |
|---------|------|---------|
| 440P | 1 | Uncoded |

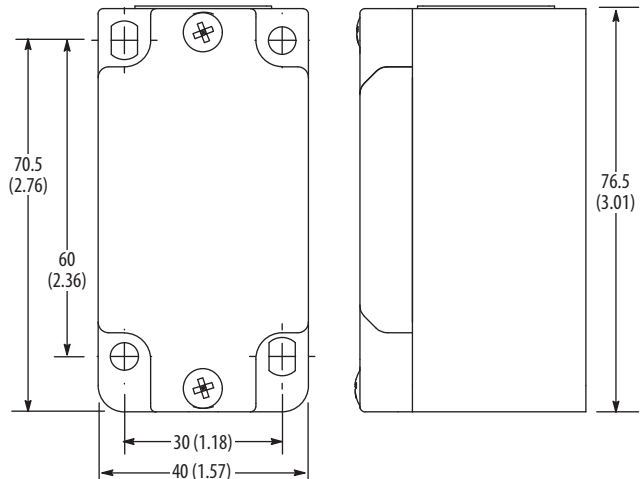
CE The products shown on this document conform with the Essential Health and Safety Requirements (EHSRs) of the European Machinery Directive. They are third party certified to EN 60947-5-1 and EN ISO 14119.

Declaration of Conformity and certification:
www.rockwellautomation.com/certification/ce.page

Torque/Mounting

| Location | | Torque |
|-------------|------------------|-------------------------------|
| Heads | | 1.2 Nm (0.86 lbf-ft) |
| Covers | | 1.6 nM (1.18 lbf-ft) |
| M5 Mounting | | 2.5-3.0 Nm (1.84-3.21 lbf-ft) |
| Wire Clamp | | 0.9-1.0 Nm (0.66-0.74 lbf-ft) |
| Lever Clamp | M5 Hex Screw | 1.8 Nm (1.33 lbf-ft) |
| | M3/M4 Hex Screw | 1.5 Nm (1.11 lbf-ft) |
| | Adj. Lever Screw | 1.0 Nm (0.74 lbf-ft) |
| Conduit | | 1.0 Nm (0.74 lbf-ft) |

Dimension [mm (in.)]



Rotating Operator Heads

When rotating operator heads, follow these steps:

- Loosen the head mounting screws and remove the operating head from the switch enclosure.
- Orient the operator head in one of the four positions offered. Make sure the loose parts are positioned correctly before affixing the operator head to the switch enclosure.
- Tighten the four screws per the recommended torque specifications above.

IMPORTANT

Internal operator head components can become dislodged when removing operator heads. Use caution during removal and assembly.

IMPORTANT

Check for switch operation with a continuity indicator before placing product in service.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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