

# 440RGL2S2T

AB 440R MSR GLT Safety Relay Guardlocking with Time Delay  
24VC 1NC/2NC/OSSD 2-PNP S



|                |  |
|----------------|--|
| Component type | Device for monitoring of safety-related circuits |
| Range          | GSR  |
| Model          | N/A  |
| Product status | Existing   |

The Allen-Bradley Guardmaster single-function safety relays offer straightforward installation and system complexity while meeting functional safety standards. Designed to minimise downtime and increase efficiencies via diagnostics obtained over EtherNet/IP, further enabling the Connected Enterprise®.

## ELECTRICAL

|   |                  |
|---|------------------|
| Suitable for monitoring of position switches                      | Yes              |
| Suitable for monitoring of emergency-stop circuits                | Yes              |
| Suitable for monitoring of valves                                 | Yes              |
| Suitable for monitoring of optoelectronic protection equipment    | Yes              |
| Suitable for monitoring of tactile sensors                        | Yes              |
| Suitable for monitoring of magnetic switches                      | Yes              |
| Suitable for monitoring of proximity switches                     | Yes              |
| Number of outputs, signalling function, undelayed, with contact   | 0.0              |
| Number of outputs, safety related, delayed, with contact          | 0.0              |
| Evaluation inputs   | Other            |
| Voltage type for actuating  | DC               |
| Control supply voltage $U_s$ at DC                                | 24.0 V           |
| Rated control supply voltage $U_s$ at AC 50HZ                     | 0 V              |
| Rated control supply voltage $U_s$ at AC 60HZ                     | 0 V              |
| Number of outputs, signalling function, undelayed, semiconductors | 1.0              |
| Number of outputs, safety related, undelayed, semiconductors      | 2.0              |
| Number of outputs, safety related, delayed, semiconductors        | 2.0              |
| Safety category according to EN ISO 13849-1                       | 4                |
| Stop category according to IEC 60204                              | 0                |
| Type of safety according to IEC 61496-1                           | 4                |
| Type of electric connection                                       | Screw connection |
| With start input  | No               |

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Allen-Bradley

|                        |   |              |
|------------------------|---|--------------|
| ELECTRICAL             | With muting function  | No           |
|                        | With feedback circuit   | Yes          |
|                        | Release-delay   | 0 s          |
|                        | Rated control supply voltage $U_s$ at DC                        | 24 V         |
|                        | Number of outputs, safety related, undelayed, with contact      | 0.0          |
|                        | Number of outputs, signalling function, delayed, with contact   | 0.0          |
|                        | Number of outputs, signalling function, delayed, semiconductors | 0.0          |
| CONSTRUCTION           | Model   | Basic device |
|                        | Performance level according to EN ISO 13849-1                   | Level e      |
|                        | Rail mounting possible  | Yes          |
| MECHANICAL             | With detachable clamps  | Yes          |
| DIMENSIONS             | Width   | 22.5 mm      |
|                        | Height  | 119.14 mm    |
|                        | Depth   | 113.6 mm     |
| CERTIFICATES/APPROVALS | SIL according to IEC 61508                                      | 3            |
|                        | With approval according to UL                                   | Yes          |