440RDG2R2T

AB 440R GSR DG Safety Relay Dual GuardLink 24VDC 1NC/2NC/OSSD-IN 2NO-SFTY-TME-DLY 1SS-AUX

SAFETY LOGIC



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
Number of outputs, safety related, delayed, with contact	0
Evaluation inputs	Other
Voltage type for actuating	DC
Control supply voltage Us at DC	24 V
Rated control supply voltage Us at AC 50HZ	0 V
Rated control supply voltage Us at AC 60HZ	0 V
Number of outputs, signalling function, undelayed, semiconductors	1
Number of outputs, safety related, undelayed, semiconductors	0
Number of outputs, safety related, delayed, semiconductors	0
Safety category according to EN ISO 13849-1	4
Stop category according to IEC 60204	0 + 1
Type of safety according to IEC 61496-1	4
Type of electric connection	Screw connection
With start input	No

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SAFETY LOGIC

ELECTRICAL	With muting function	No
	With feedback circuit	Yes
	Release-delay	0 s
	Rated control supply voltage Us at DC	24 V
	Number of outputs, safety related, undelayed, with contact	2
	Number of outputs, signalling function, delayed, with contact	0
	Number of outputs, signalling function, delayed, semiconductors	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	119.4 mm
	Depth	113.6 mm
CERTIFICATES/APPROVALS	SIL according to IEC 61508	3
	With approval according to UL	Yes

RELATED PRODUCTS

ACCESSORY



Item No: 1485PRDR5
Required: No
Description: Allen-Bradley 1485 DeviceNet T-Port Connector 5-pin



Item No: 440SGLTAPBRK1
Required: No
Description: Allen-Bradley 440S Guardlink Mounting Bracket for Guardlink Enabled Tap Qty 1



Item No: 440SGLTAPBRK5
Required: No
Description: Allen-Bradley 440S Guardlink Mounting Bracket for Guardlink Enabled Tap Qty 5



Item No: 440SMF5D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 5PIN EMSS ELECTROMECHANICAL PTR



Item No: 440SMF8D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 8PIN EMSS ELECTROMECHANICAL PTR

Item No: 440SMLF8D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 8PIN EMSS ELECTROMECHANICAL PTL



Item No: 440SSF5D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 5PIN OSSD OUPUT SIGNAL SWITCHING PTR



Item No: 440SSF8D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 8PIN OSSD OUPUT SIGNAL SWITCHING PTR

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RELATED PRODUCTS

ACCESSORY

Item No: 440SSLF8D
Required: No
Description: Allen-Bradley 440S Guardlink ENABLED TAP 8PIN OSSD OUPUT SIGNAL SWITCHING PTL



Item No: 889DF4NE15
Required: No
Description: AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 15m



Item No: 889DF4NE2
Required: No
Description: AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 2m



Item No: 889DF4NE20
Required: No
Description: AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 20m



Item No: 889DF4NE30
Required: No
Description: AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 30m

Item No: 889DF4NE5
Required: No
Description: Allen-Bradley 889D Cable PVC Red 4 Pin 18AWG DC Micro Female 5m



Item No: 889DF4NEDM0M3
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m



Item No: 889DF4NEDM0M6
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m

Item No: 889DF4NEDM1
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 1m



Item No: 889DF4NEDM10
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 10m

Item No: 889DF4NEDM15
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 150m



Item No: 889DF4NEDM2
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 2m



Item No: 889DF4NEDM20
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 20m



Item No: 889DF4NEDM3
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 3m



Item No: 889DF4NEDM30
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 30m



Item No: 889DF4NEDM5
Required: No
Description: AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 5m



RELATED PRODUCTS

ACCESSORY



Item No: 889DF4NEDM99

Required: No

Description: Allen-Bradley 889 Cable PVC Red 4pin 18Awg Dc Micro M Dc Micro F 99M



Item No: 889DF5NCDM0M3

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m



Item No: 889DF5NCDM0M6

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 6m



Item No: 889DF5NCDM1

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 1m



Item No: 889DF5NCDM10

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 10m



Item No: 889DF5NCDM2

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 2m



Item No: 889DF5NCDM20

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 20m



Item No: 889DF5NCDM30

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 30m



Item No: 889DF5NCDM5

Required: No

Description: AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 5m



Item No: 889DF8NBDM0M3

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.2m



Item No: 889DF8NBDM0M6

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m



Item No: 889DF8NBDM1

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 1m



Item No: 889DF8NBDM10

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 10m



Item No: 889DF8NBDM2

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 2m



Item No: 889DF8NBDM20

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 20m



Item No: 889DF8NBDM30

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 30m

RELATED PRODUCTS

ACCESSORY



Item No: 889DF8NBDM5

Required: No

Description: AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 5m



Item No: 898D418UDM2

Required: No

Description: AB Pre Wired Connection System Guardlink Terminator Plug For Last Guardlink Enabled Tap



Item No: 898D41KUDM2

Required: No

Description: Allen-Bradley Guardlink Shorting Plug When No Input Safety Device At Tap