

PROSAFE-RS

Product Data Sheet

ALE111-SE1

Ethernet Communication Module

ETHERNET PHYSICAL INTERFACE	NETWORK CONNECTOR	TRANSMISSION RATE	NETWORK PORT QUANTITY
IEEE 802.3 10BASE-T half-duplex	RJ-45	10 Mbps	1

Yokogawa ALE111-SE1 is a ethernet communication module in the ProSafe-RS range. It enables Modbus slave communication between a safety control station and an external Modbus master. The SE1 execution combines the documented explosion-protected option with the ISA Standard G3 option.

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VERIFIED TECHNICAL DATA

Ethernet physical interface	IEEE 802.3 10BASE-T half-duplex
Network connector	RJ-45
Transmission rate	10 Mbps
Network port quantity	1
Network cable impedance	100 ohm twisted pair
Maximum segment distance	100 m
Media access method	CSMA/CD
Current consumption	0.5 A
Modbus role	TCP slave
Connection limit	2 per SCS

ADDITIONAL PRODUCT DATA

Transactions per connection	1
Word transfer capacity	124 words per communication
Bit-device transfer capacity	32 words per communication
Minimum SCS software revision	R3.02.00
Environmental option	ISA Standard G3, explosion-protected execution

DOCUMENTED USE SETTINGS

Oil Refining and Natural Gas Production: Petroleum Refining and Processing.

Chemical Manufacturing and Petrochemical Production: Industrial Chemical Manufacturing.

Electric Power Generation and Energy Production: Thermal Power Generation.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

ProSafe-RS manufacturer technical reference

AMIKON PRODUCT SUPPORT

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