

PROSAFE-RS

# Product Data Sheet

## SCP461-11 S1

Safety control processor module

|                       |               |                            |                             |
|-----------------------|---------------|----------------------------|-----------------------------|
| CONTROL NETWORK PORTS | NETWORK SPEED | ETHERNET TRANSMISSION MODE | ETHERNET PHYSICAL INTERFACE |
| 2 Vnet/IP             | 100 Mbps      | Full duplex                | 100BASE-TX                  |

Yokogawa SCP461-11 S1 is a processor module in the ProSafe-RS safety instrumented system family for SSC60S/SSC60D safety control units. It executes the configured safety application and coordinates field I/O in process plants, including oil and gas production, chemical processing and power generation.

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## VERIFIED TECHNICAL DATA

|                               |                 |
|-------------------------------|-----------------|
| Control network ports         | 2 Vnet/IP       |
| Network speed                 | 100 Mbps        |
| Ethernet transmission mode    | Full duplex     |
| Ethernet physical interface   | 100BASE-TX      |
| Network connector             | RJ45            |
| Network cable category        | CAT5e or higher |
| Controller-to-switch distance | 100 m maximum   |
| Front configuration switch    | 6-bit DIP       |
| Status indicator bank         | 8 numbered LEDs |
| Battery pack                  | S9185FA         |

## ADDITIONAL PRODUCT DATA

|                              |                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------|
| Battery chemistry            | Lithium                                                                                               |
| Battery replacement interval | 3 years at average ambient $\leq 30$ deg C; 18 months at $\leq 40$ deg C; 9 months at $\leq 50$ deg C |
| Application-program storage  | Flash memory                                                                                          |
| Operating-data storage       | NVRAM                                                                                                 |
| Redundant processor quantity | 2 identical modules                                                                                   |

## DOCUMENTED USE SETTINGS

Chemical Manufacturing and Petrochemical Production Processing: Industrial Chemical Production.

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

Electric Power Generation and Industrial Heat Production: Thermal Electric Power Generation.

## SYSTEM COMPATIBILITY

Yokogawa SCP461-11 S1 is a processor module in the ProSafe-RS safety instrumented system family for SSC60S/SSC60D safety control units. It executes the configured safety application and coordinates field I/O in process plants, including oil and gas production, chemical processing and power generation.

## OFFICIAL SOURCE

Yokogawa IM 32Q06C10-31E, processor module and maintenance sections

AMIKON PRODUCT SUPPORT

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