PROSAFE-RS

Product Data Sheet

S2CP471-01 S1

Safety controller processor module

SAFETY INTEGRITY	SUPPORTED CONTROL UNITS	EXPLOSION-PROTECTION OPTION	CORROSION QUALIFICATION
SIL 3	**SSC60 and S2SC70, approved suffixes only**	**-01: no explosion protection**	**ISA G3**

Yokogawa S2CP471-01 S1 is a ProSafe-RS processor module for approved SSC60 and S2SC70 safety control units. The -01 specification has no explosion protection and is qualified for an ISA G3 environment. Two S2CP471 processors can form a dual-redundant pair in a duplexed control unit.

01 TECHNICAL DATA

Safety integrity	SIL 3
Supported control units	SSC60 and S2SC70, approved suffixes only
Explosion-protection option	-01: no explosion protection
Corrosion qualification	ISA G3
Minimum software on SSC60	ProSafe-RS R3.01
Minimum software on S2SC70	ProSafe-RS R4.01
Backup battery	1 x S9450FE
Recommended battery interval	3 years at average ambient ≤30 °C
Redundant processor count	2 in a duplexed control unit

02 ADDITIONAL PRODUCT DATA

The processor supports SIL 3 applications and uses a replaceable S9450FE backup battery. ProSafe-RS R3.01 or later is required for SSC60, while S2SC70 requires R4.01 or later; the listed software releases also need the S2CP471 support patch. The recommended battery interval is three years at an average ambient temperature of 30 °C or below.

03 PRODUCT FUNCTION

Fit S2CP471-01 only in the SSC60 or S2SC70 control-unit suffixes listed for the non-explosion-protected processor. A duplexed unit uses two S2CP471 modules; the physical processor slot alone does not establish compatibility with every ProSafe-RS control unit.

04 SYSTEM COMPATIBILITY

Confirm ProSafe-RS R3.01 or later for SSC60 and R4.01 or later for S2SC70. Apply the S2CP471 support patch where required for R3.01, R3.02 and R4.01 through R4.04 before integrating the processor into the operating configuration.

05 DOCUMENT BASIS

Yokogawa manufacturer documentation. Selected source pages: 1, 2, 3, 4, 5.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**