

SC-S11

Main Unit

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model			SC-S11
Response time			25 ms (safety output ON to OFF, IEC/EN60204-1 stop category 0), 70 ms (safety output OFF to ON)
Safety output (S-OUTPUT)	Output		Two PNP outputs
	Max. load current		500 mA
	Residual voltage (when ON)		2.5 V maximum (with a load current of 500 mA)
	Leakage current		1.2 mA maximum
	Max. capacitive load		2.2 µF (with a load resistance of 100 Ω)
	Load wiring length		30 m maximum
Safety input (S-INPUT, enable input)	Input type		Contact output device connection or PNP output device connection
	Short-circuit current		Approx 5mA
	ON/OFF voltage		Voltage when product turned on: 19 V or more, voltage when product turned off: 5 V or less
	Wiring length		30 m maximum
Safety related input	Input type		Non-voltage contact input (EDM input, reset input)
	Short-circuit current		EDM input: Approx. 10 mA, Reset input: Approx. 5 mA (EDM input, reset input)
	Wiring length		30 m max. (EDM input, reset input)
Non-safety output	Output		PNP/NPN totem pole output (auxiliary output, lockout output)
	Max. load current		50mA (auxiliary output, lockout output)
	Load wiring length		10 m maximum (auxiliary output, lockout output)
Non-safety input	Input type		No-voltage contact input or PNP or NPN open-collector input (external off input)
	Short-circuit current		Approx 5mA (external off input)
	ON/OFF voltage		Voltage when product turned on: 5 V or less or 19 V or more, voltage when product turned off: open or 9 V to 15 V (external off input)
	Wiring length		10 m maximum (external off input)
Protection circuit			Power supply reverse polarity protection, overcurrent protection for each output, short-circuit protection , surge protection
Approved standards	EMC	EMS	IEC 61496-1, EN61496-1, UL61496-1
		EMI	EN55011 Class A, FCC Part 15 Class A, ICES-003 Issue 4 Class A
	Safety		ISO13849-1:2015 (category 4, PLe), UL1998, IEC/EN61496-1, UL508,*1
Rating	Power voltage		24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption		1.3 A (at maximum load)
Environmental resistance	Enclosure rating		IP20 (IEC60529) Must be installed within a control panel rated at IP54 or higher.
	Pollution degree		2 (IEC60664/EN50178)
	Overvoltage category		2 (IEC60664, EN50178)

	Insulation resistance	100 MΩ or more (tested with a 500 VDC megger) between the internal circuit and the external case
	Operating ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing)
	Operating relative humidity	35 to 85 % RH (No condensation)
	Storage temperature	-20 to +65 °C -4 to 149 °F (No freezing)
	Storage relative humidity	35 to 85 % RH
	Withstand voltage	1,500 VAC, 50/60 Hz for 1 minute between the internal circuit and the external case
	Vibration resistance	10 to 55 Hz, Double amplitude 0.7 mm 0.03", 20 sweeps in each of the X, Y, and Z directions
	Shock resistance	100 m/s² (Approx. 10 G), 16 ms pulse, 1,000 times in each of the X, Y, and Z directions
Material	Main unit case	Polycarbonate (UL94-V2)
Weight		160 g or less

*1 The following mark is displayed on the ratings indication label on the side of the main unit to identify it as a UL508-certified product.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

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