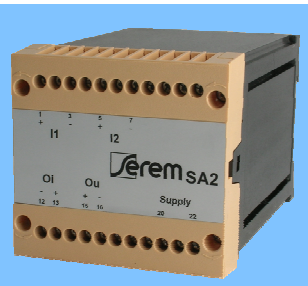
2 ANALOG CHANNELS SOMMATOR

SA20



FUNCTION

In many industrial processes, it's necessary to add up analog signals.
The converter **SA2** makes it possible with a high accuracy and a low temperature drift.

CHARACTERISTICS

Function:		O = (k1 . I1 + k2 . I2) . K *(k_1, k_2 and K adjustable when ordered)*,
Input:	voltage: current:	0 - 10V, ±10V, or 0 - 20mA, 4 – 20mA,
Output:	voltage: current:	0 - 10V, ±10V, 0 - 5V, and/or 0 - 20mA, 4 - 20mA,
Galvanic Insulation:		> 3500 Vrms for: I&O / SUPPLY,
Accuracy:		> 0.1% L from 20 to 100% FS,
Temperature drift:		< 50 ppm /°C,
Temperature range:		-25 to 70°C,
Auxiliary supply:		115 or 230 VAC (-15%, +10%) / 45 to 65 Hz / 3VA max.,
Casing:	 junction: dimensions:	polycarbonate case for DIN profile, screw terminals, 73 x 75 x 121 mm (H x W x D),
Weight:		420 g,
Norms:		accordance to **CE** norms,

Temperature of calibration: 20 to 25°C,

No continuous magnetic field influence
up to 150 Gauss in X, Y, Z dimensions.

Special converters can be designed by our development team.

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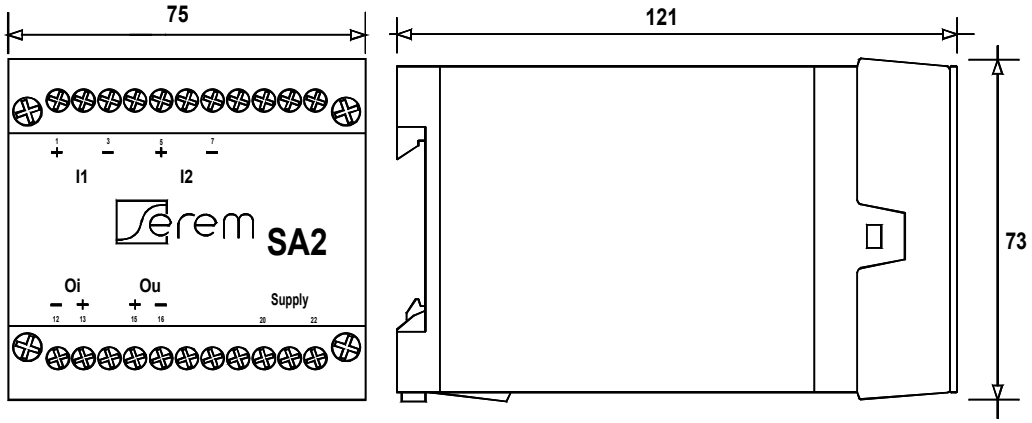
DIMENSIONS



JUNCTION

TERMINAL	DESCRIPTION	TERMINAL	DESCRIPTION
1	Input I1+	12	Output Oi-
2	N.C.	13	Output Oi+
3	Input I1-	14	N.C.
4	N.C.	15	Output Ou+
5	Input I2+	16	Output Ou-
6	N.C.	17	N.C.
7	Input I2-	18	N.C.
8	N.C.	19	N.C.
9	N.C.	20	Supply
10	N.C.	21	N.C.
11	N.C.	22	Supply

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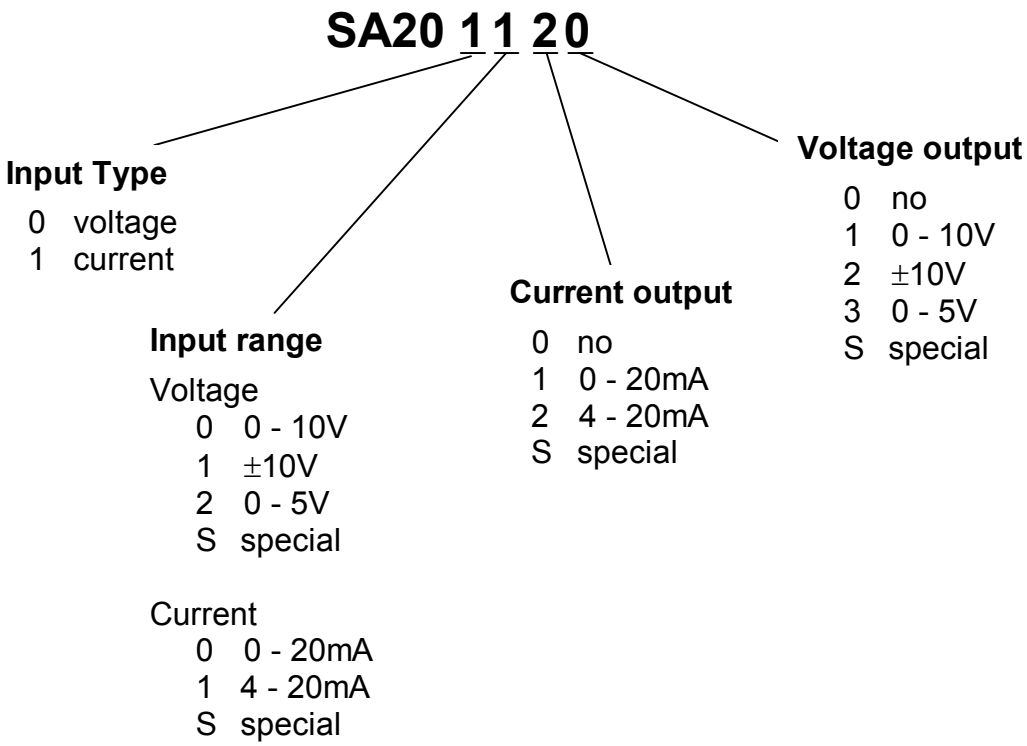
DESIGNATION



This example indicates an analog sommator without I/O galvanic insulation, with 4-20mA inputs for a 4-20mA output.