

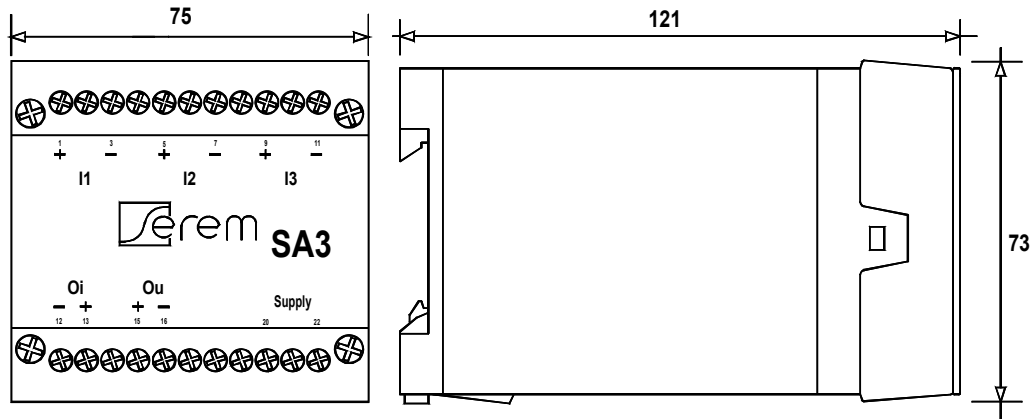
FUNCTION

In many industrial processes, it's necessary to add up analog signals. The converter **SA3** makes it possible with a high accuracy and a low temperature drift.

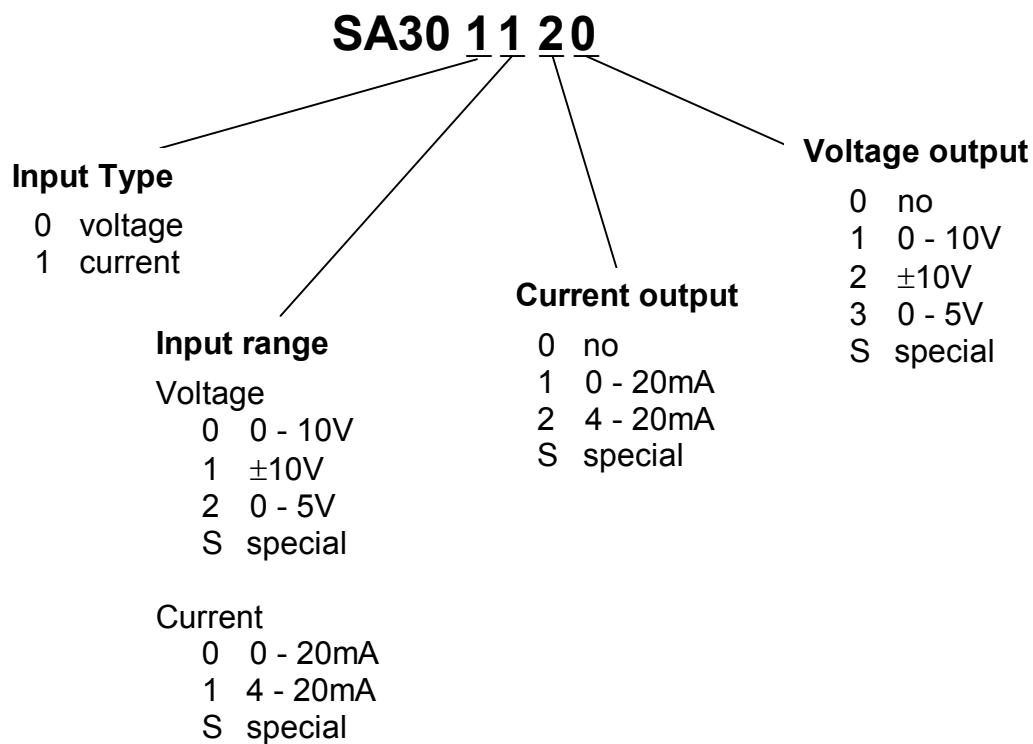
CHARACTERISTICS

Function:	$O = (k_1 \cdot I_1 + k_2 \cdot I_2 + k_3 \cdot I_3) \cdot K$ <i>(k_1, k_2, k_3 and K adjustable when ordered),</i>
Input: voltage:	0 - 10V, $\pm 10V$, or
current:	0 - 20mA, 4 - 20mA,
Output: voltage:	0 - 10V, $\pm 10V$, 0 - 5V, and/or
current:	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:	polycarbonate case for DIN profile,
junction:	screw terminals,
dimensions:	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.

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	Input I3+	20	Supply
10	N.C.	21	N.C.
11	Input I3-	22	Supply

DESIGNATION

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