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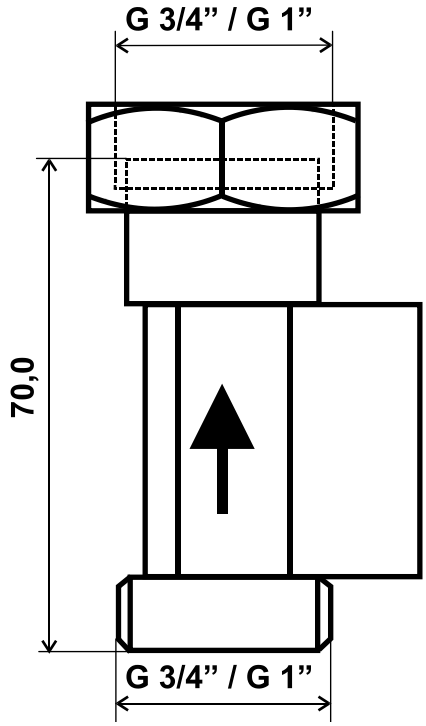
STS01-DC
STS02-AC
Vers. 1.9 EN

Flow switch

The flow switch STS is available in four types:



STS01DC-1" **Direct current type**
as signal transducer to standard controller inputs up to 30 V=/~, threads G 1"

STS01DC-3/4" threads G ¾"

STS02AC-1" **Alternating current type**
for directly switching of circulating pumps in 230V~ mains up to 1,5A, minimum load of **only 2W** required, threads G 1"

STS02AC-3/4" threads G ¾"

The **STS02AC...** flow switches are **only suitable for high efficiency pumps**, but **not for asynchronous motor pumps (standard pumps of an older design)**, time delay relays or time relays of any type or design.

Mounting position: Vertical

When mounting the flow switch, ensure **that the hex nut faces upwards** as shown in the figure. The sensor must be **flown through bottom-up** according to the arrow.
The detector (black plastic part) can be placed on the brass part in an user-defined direction.

Technical data:

Response quantity:	< 2 l / min
	typically 1.3 l / min
Temperature range:	-10 to +80°C
Max. operating pressure:	10 bar
Pressure loss at 1000 l/h:	0.1 bar
2000 l/h:	0.4 bar
3200 l/h:	1.0 bar
Mounting position:	vertical +/- 10°
Cable length:	2 m
Materials used:	brass CW614N, plastic NORYL 731S-701-1977
Drinking water approval	KTW / W270 for the individual components

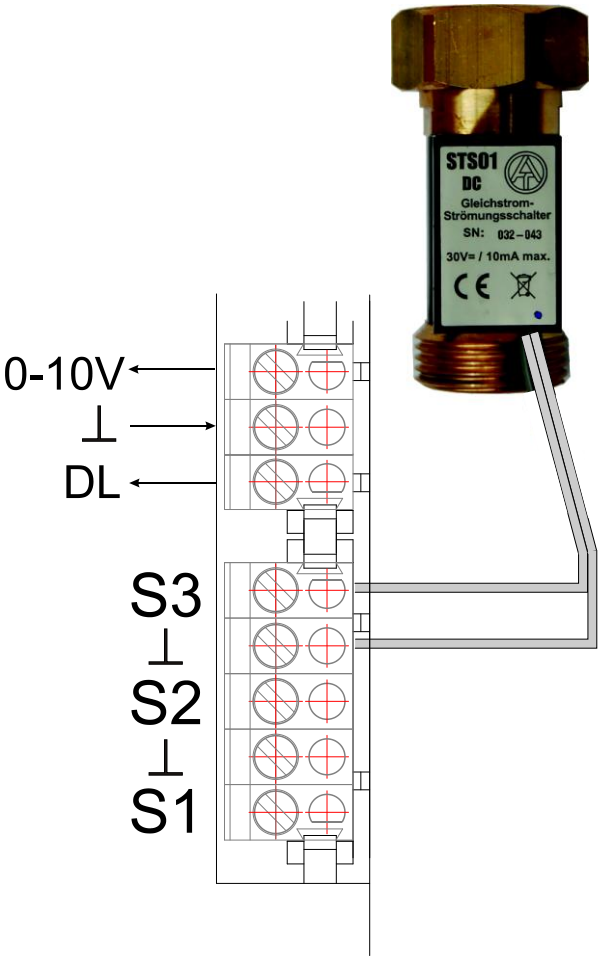
max. breaking capacity:

STS01DC:	30V=~ / 10mA
STS02AC:	250V~ / 1.5A

Electrical connection

STS01DC

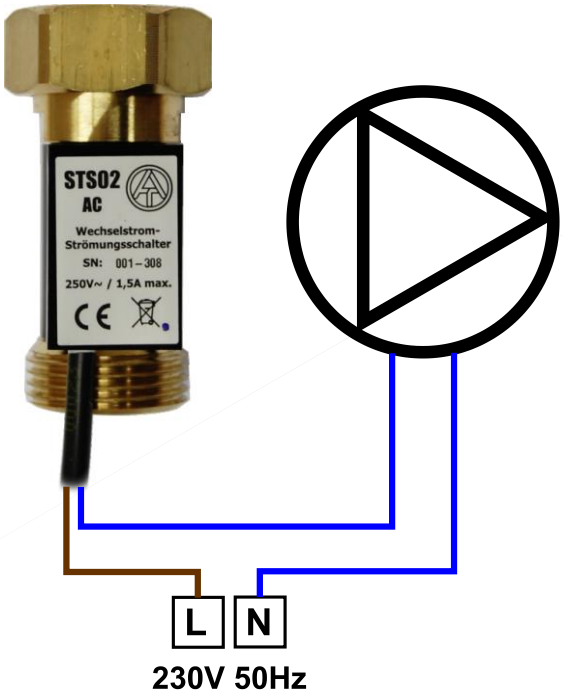
Example: Connection to ESR31 controller



Connection is always established to a sensor input and the sensor earth.

The polarity of the connections is reversible, there is no required polarity to be observed.

STS02AC



The polarity of the connections is reversible, there is no required polarity to be observed.

Subject to technical modifications