

Title (en)
VALVE FOR MEASURING OUT A FLOWING MEDIUM

Title (de)
VENTIL ZUM ZUMESSEN EINES STRÖMENDEN MEDIUMS

Title (fr)
SOUPAPE DE DISTRIBUTION D'UN MILIEU EN ÉCOULEMENT

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Application
EP 12733714 A 20120710

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Abstract (en)
[origin: WO2013026614A1] The invention relates to a valve for measuring out a flowing medium, for example liquid or gaseous medium, in particular a fuel injection valve for internal combustion engines, comprising a valve housing, an actuator that is accommodated in the valve housing and that acts on a valve element, an electrical connector accessible on the outside of the valve housing, and an electrical supply line that establishes an electrical connection from the connector to the actuator and that has two supply line strands, which each have a flexible strand section. In order to optimize the electrical supply line with the goal of lower production costs, simplified valve assembly, and anti-twist protection for the actuator, each line strand (15, 16) is composed of an electrical conductor (34, 35) that is provided with a plastic sheath (32, 33) and that has a front and rear elongated conductor section (341, 351 or 342, 352) and a middle conductor section (343, 353) lying therebetween, the middle conductor section having at least one meandering curvature (36) in order to realize the flexible strand section, and a plastic bridge element (37) integrated with the plastic sheaths (32, 33) in the region of the middle conductor sections (343, 353) of the two electrical conductors (34, 35) connects the two supply line strands (15, 16) to form a torsionally stiff supply line module (31).

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