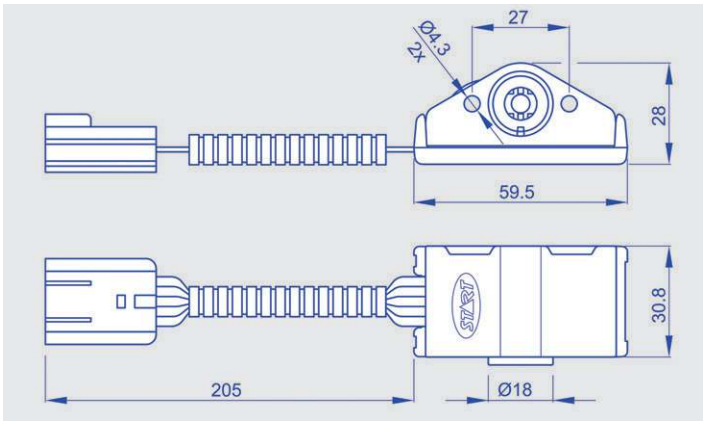
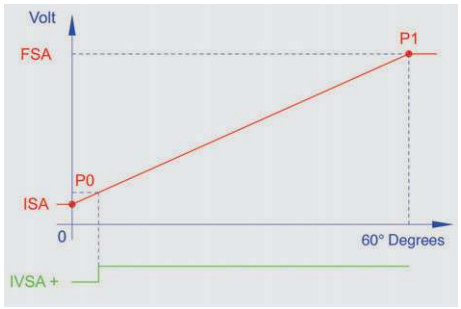
ELECTRONIC SENSORS
ANGULAR WITH HALL EFFECT
MODEL STL1D

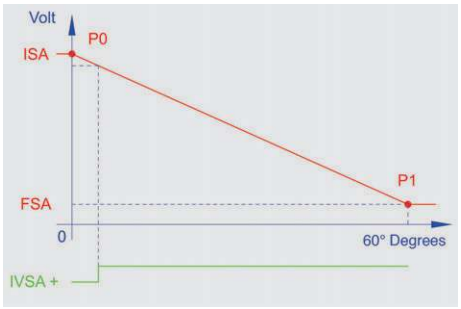
Main characteristics:

Mechanichal and electric regulations: FMVSS-124; 2004/108CE; EN 55011:2009 class B; EN 61000-4-(2:2009; 4:2004; 5:2006; 11:2009)
Environmental characteristics: -40→+85°C - 10 MlnCycles@60 cycles/min - IP67 with resin coating option or IP45 with coating option
Power input and consumption: 5 Vdc or 8→36 Vdc @20 mA typ
Angle signal output: Analog or PWM or Canbus SAE J1939
Validation (IVS): free contacts - Vmax 60 Vdc - Amax 500 Ma - insulation 1500 Vac
Configurable parameters: operative angle - angle signal IS and FS - threshold and polarity IVS - rotation direction
Connections to the field: 10 pole Delphi connector or free cables or specification agreed with the customer

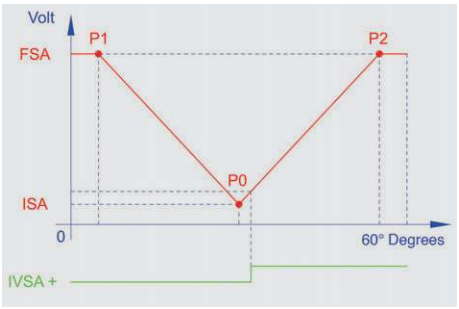




1) Example of analog output with ascending slope, with positive validation



2) Example of analog output with descending slope, with positive validation



3) Example of bidirectional analog output, with positive validation

ELECTRONIC SENSORS
ANGULAR WITH HALL EFFECT AND ORDER FORM
MODEL STL1D

Characteristics	Options			Standard
Angle signal output	Analog 0,2→4,9 Vdc	PWM Fr=3,82 Khz, D_cycle 0→100%	Canbus SAE J1939	Analog
Beginning scale signal	0,2→4,9 Vdc	D cycle 4→96%	% Range 0 → 100%	0,5 Vdc
Full-scale signal	0,2→4,9 Vdc	D cycle 4→96%	% Range 0 → 100%	4,5 Vdc
Power supply	5 Vdc or 8→36 Vdc			5 Vdc
Validation (IVS)	Positive or Negative or Absent			Positive
IVS angle (% stroke)	1→99% or 0			5%
Program	Start30 or Customer's specification			Start30
Protection	Silicone filler or Coating			Silicone filler
Connector	Delphi 10 pole or Free cables or Customer's specification			Delphi 10 pole
Operative angle	20°→100°			60°
Rotation direction	Clockwise or Counterclockwise			Counterclockwise

To order: compose, please, your product code inserting the boldfaced code corresponding to the chosen option in the proper square.

STL1D											

Analog signal output: **A**
PWM signal output: **W**
Can J1939 signal output: **J**

IS beginning scale signal from: **0** to **100**%
IS beginning scale signal from: **4** to **96**%
IS beginning scale signal from: **0,2** to **4,9** Vdc

Full-scale signal from: **0** to **100**%
Full-scale signal from: **4** to **96**%
Full-scale signal from: **0,2** a **4,9** Vdc

Power input 5 Vdc: **L**
Power input from 10 to 36 Vdc: **H**

Positive validation (IVS): **P**
Negative validation (IVS): **N**
Absent validation (IVS): **X**

IVS angle (% stroke): **0**
IVS angle (% stroke) from: **1** to **99** %

Clockwise rotation: **O**
Counterclockwise rotation: **U**

Operative angle from: **20°** to **100°**

Connector Delphi 10 pole: **D**
Free cables: **F**
Customer's specification: **S**

Protection with silicone filler: **R**
Protection with coating: **C**

Program Start30: **T**
Program according to customer's specification: **S**