



- ▶ Extra slim leg for better installation
- ▶ 3mm slot width
- ▶ Robust aluminium housing
- ▶ AutoTeach / external Teach or via potentiometer
- ▶ NPN/PNP, light-on/dark-on in the same device

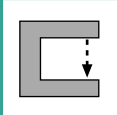


FORK SENSOR FLS
for label detection; space saving design

▶ TECHNICAL DATA

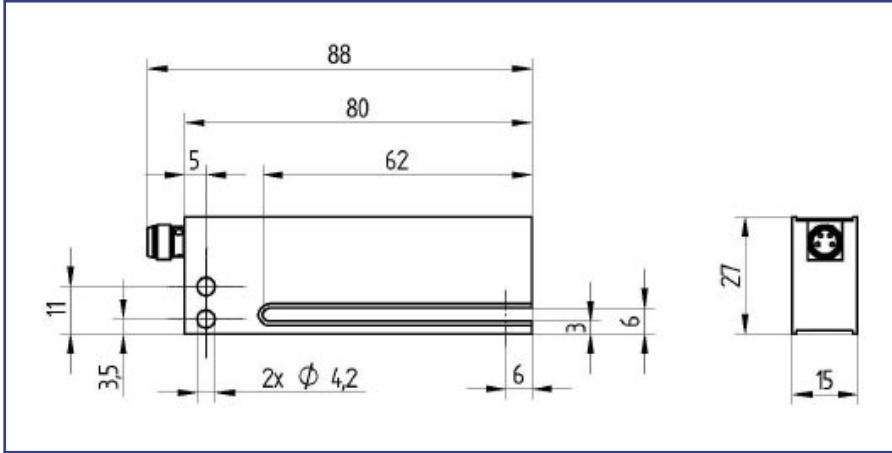
MODEL	FLSP03-S-AP/N	FLST03-S-AP/N
Resolution	1mm	
Reproducibility	0,1mm	
Hysteresis	≤ 0,4mm	
Operating voltage	10...30 VDC, reverse polarity protection	
Current consumption	< 40mA	
Output	Push-/Pull; PNP/NPN	
Output current	200mA	
Function indicator	LED green	
max. Frequency response	10kHz	
Functional principle	continuous light	
Switching function	light-on or dark-on (selectable)	
Light type	infrared 880nm	
Response time	50µs	
Sensitivity adjustment	potentiometer, multiturn	push button or external teach-input
Housing material	aluminium, silver	
Operating temperature	-10°C.. +60°C	
Protection class	IP65	
max. Light immunity	3000 lux	
Connector	M8, 4pin *	

* supply cable to be ordered separately



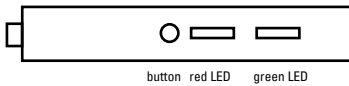
FLS03-S

DIMENSIONS Measurements in mm. Subject to technical change.

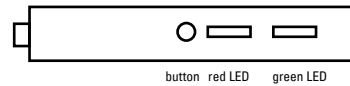


SET UP INSTRUCTION

FLST03-S-AP/N



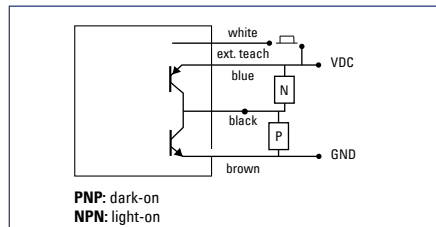
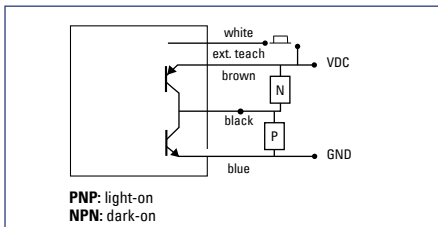
FLSP03-S-AP/N



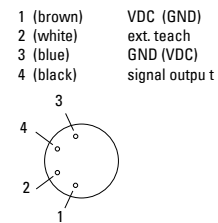
- 1. insert label, then push button (or remote: min. 50ms) --> red LED blinking slow, regardless if button is pressed or not, teach-in mode starts
- 2. move label through the sensor, min. 3 labels --> teach-in mode still active
- 3. push button again, (or remote: min. 50ms) --> teach-in procedure is finished
- 4. if no label is detected --> red LED blinking fast
- 5. after succesful teach-in --> green LED on (without label)

- 1. insert label backing
- 2. turn potentiometer to the left until red LED lights
- 3. turn potentiometer to the right until green LED lights
- 4. turn potentiometer 1 to 3 rotations further to the right
- 5. after successful teach-in:
 - red LED on with label
 - green LED on without label

CONNECTION DIAGRAM



PIN CONNECTION



for **FLST03-S-AP/N**: PIN 2: remote teach-in
if the remote teach-in (white) is not used, link it to GND!

for **FLSP03-S-AP/N**: PIN 2: not connected

PART DESIGNATION

FLSP03-S-AP/N	=	fork width 3mm	potentiometer	light-on/dark-on	PNP/NPN output
FLST03-S-AP/N	=	fork width 3mm	auto teach	light-on/dark-on	PNP/NPN output

Please do not forget to order the appropriate power supply cable (see accessories).