

FPR-L2S PROPORTIONAL ROLLER SWITCH WITH HALL EFFECT SENSOR

FEATURES

- Mini proportional roller switch with optimum ergonomic design for panel-mounting.
- High performance hall effect sensor circuitry.
- Twin channel configuration for redundancy.

MECHANICAL SPECIFICATIONS

Rotation angle:	±30°
Body material:	acetal resin / teflon compound
Colours available:	grey, blue, green, yellow
Rubber gaiter material:	EPDM / 35-45 shore - A
Operating temperature range:	-25°C / +85°C
Environmental protection:	IP 68 (above panel)
Life:	> 5.000.000 cycles

ELECTRICAL SPECIFICATIONS

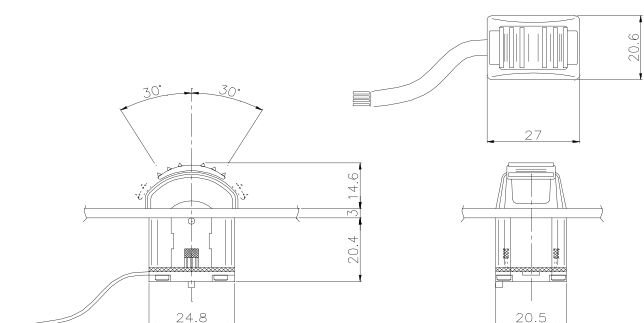
Signal output @ rest:	2.5 VDC ±0.1 V
Supply voltage:	H - Version = 8+32 VDC 0 - Version = 5 VDC ±5%
Full output signal range:	0.5 - 4.5 V, ±0.2 V
Current consumption at rest:	SNCH (S1 only) 15 mA TWCH (S1/S2) 25 mA
Rated output current:	1 mA
Connection type: flying leads =	coloured flat cable 100 mm
connector =	molex Minifit 4 poles P.N. 5559-4P Deutsch 3 poles P.N. DTO4-3P

ELECTRICAL CONNECTIONS

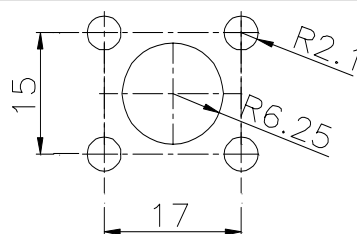
FPR - L2S - SNCH (single chan.) FPR - L2S - TWCH (twin chan.)

- | | |
|------------------------|--------------------------|
| (1) Yellow: +5 VDC | (1) Yellow: + 5 VDC |
| (2) Orange: (-) ground | (2) Orange: (-) ground |
| (3) Red: output 1 (S1) | (3) Red: output 1 (S1) |
| (4) Brown: not used | (4) Brown: output 1 (S2) |

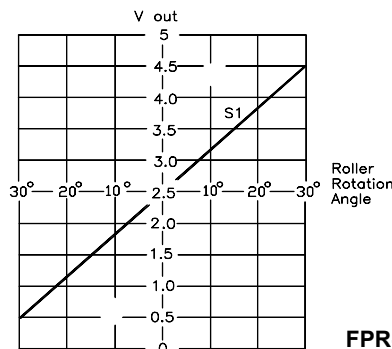
OVERALL DIMENSIONS



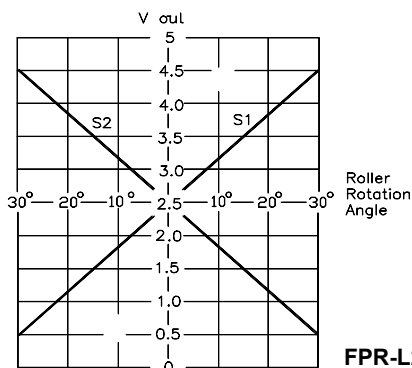
PANEL CUT-OUT



OUTPUT SIGNAL CONTROL CHARACTERISTIC



FPR-L2S/ SNCH (single channel)



FPR-L2S-TWCH (twin channel)

FPR ORDERING INFORMATION: see page JK7

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.



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