Linear positioning drive LS2818 - LS4118

Option

Steuerung Encoder

The LS.. not only considerably reduce the costs and the space requirements for a linear system as there is no coupling, bearing support or assembly work required, and also increase the system features and availability of a compl. miniature linear axis. With small loads and load ratings as for scanning optical, mechanical or acoustic measurements, even the linear guide is no longer required. Other motor, threaded nut and spindle versions (>100 pieces) also enable simple, fast and low-cost system expansion.

Order identifier

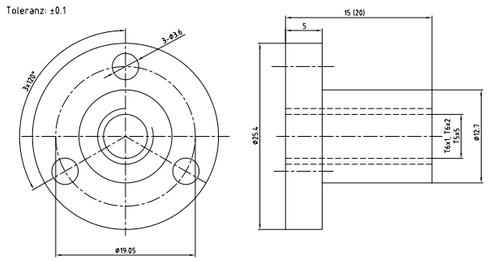
LS4118S1404-T6x2-75

Thread length 75mm

Available thread lengths*:
75 mm and 150 mm

*Only for LS4118

Threaded nut



Order identifier

LSNUT-T6x1-F
LSNUT-T6x2-F
LSNUT-T5x5-F

Material:

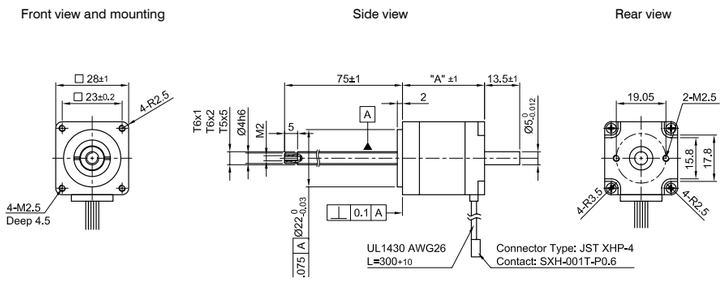
PEEK black for LS2018, LS2818, LS4118

Available versions (others on request)

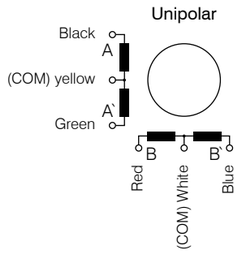
Type	Thrust (N)	Max. precision feed control mm/s	Resolution µm/step	Current A/winding	Resistance Ohm/winding	Weight kg	Length "A" mm
		----------Data in full step----------					
LS2818S0604-T6x1-75	60	20	0.005	0.67	5.6	0.11	32
LS2818S0604-T6x2-75	60	20	0.010	0.67	5.6	0.11	32
LS2818S0604-T5x5-75	30	100	0.025	0.67	5.6	0.11	32
LS2818L0604-T6x1-75	120	30	0.005	0.67	9,2	0.25	51
LS2818L0604-T6x2-75	120	30	0.010	0.67	9,2	0.25	51
LS2818L0604-T5x5-75	60	140	0,0025	0.67	9,2	0.25	51
LS4118S1404-T6x1-XX	200	50	0.005	1.40	2.0	0.20	31
LS4118S1404-T6x2-XX	200	50	0.010	1.40	2.0	0.20	31
LS4118S1404-T5x5-XX	100	250	0.025	1.40	2.0	0.20	31

All data refer to 1 half of the winding or unipolar!

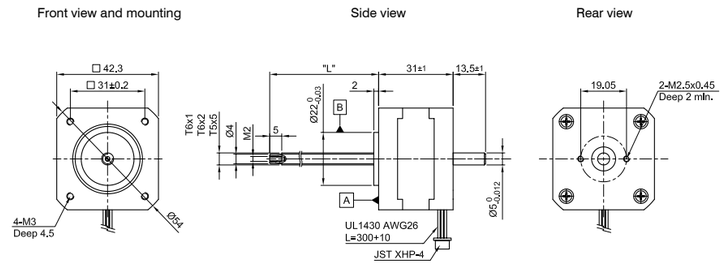
LS2818 outline drawing (in mm)

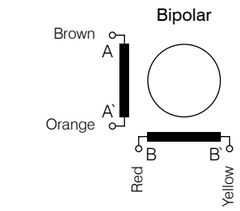


Pin configuration



LS4118S1404 outline drawing (in mm)



Thread length "L":
75 mm and 150 mm

Pin configuration