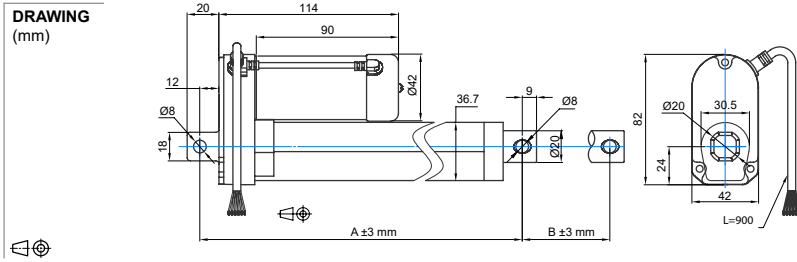


DLA Series / 50 - 300mm / 150 - 1000N / hall sensor (HS2)



MODEL NO. DESIGNATION

DLA - VOLTAGE - REDUCTION - A - STROKE - FEEDBACK - IP65 Example: DLA-12-5-A-50-HS2-IP65

ACTUATOR STROKE DATA

Reduction	5	10	20	30	40
Voltage (VDC)	12/24	12/24	12/24	12/24	12/24
Current at nominal dynamic load (A)	2.0/1.0	2.4/1.2	2.6/1.3	2.9/1.5	2.8/1.4
Nominal dynamic load (N)	150	250	500	800	1000
Max. static load (N)	1500	1500	1500	1500	1500
Speed at nominal dynamic load (mm/s)	36.5	23.5	12.3	7.5	5.5
Number of encoder channels	2	2	2	2	2
Hall sensor channel counts per mm	4.6	7.2	13.8	21.2	28.6

ACTUATOR DATA

	50	100	150	200	250	300
Stroke length B (mm)	50	100	150	200	250	300
Retracted length A (mm)	158	209	260	311	362	413
Life time number single strokes	80.000	40.000	26.666	20.000	16.000	13.333
Weight (kg)	0.850	0.925	0.990	1.060	1.130	1.200

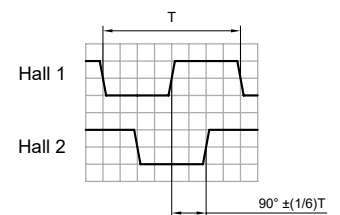
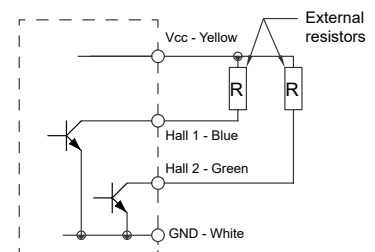
HALL SENSOR FEATURES AND DATA

CHARACTERISTIC	VALUE
Supply voltage, Vcc	3.5V to 20V
Supply Current, Icc	Vcc ≤ 10 mA
Output current, Ic	≤ 25 mA
Output saturation voltage, Vcc=14V	≤ 700mV
Output leakage current, Icox	Vcc= ≤ 10 µA
Output rise and fall time, tr/ff	≤ 1,5 µs

ACTUATOR FEATURES AND STANDARD DATA

	STANDARD	CUSTOMIZATION OPTIONS
Type	Electric linear actuator	
Motor type	Brush PM DC motor	
Cable	Flying wire 900 mm	Length, type and connector
Voltage	12 or 24 VDC	36 or 48 VDC
Screw type	ACME pitch 3 mm	
Noise level	< 70 dB (A)	Yes
Life time	4 million mm total stroke	
Limit switches	Integrated non adjustable	Stroke length
Direction movement	By reversing voltage polarity	Yes
Stroke tolerance	±3 mm	±2 mm
Duty cycle	25%	
Max. duty operational time	1 min. nominal dynamic load	
Protection class	IP65	
Insulation class	F	
Max. motor winding temp.	155 °C	
EMC	EN55014 IEC61000	
Gear box	Metal spur gears	
Motor pinion gear	Plastic	Metal
Gear box material	Zinc alloy	
Rod and house material	Aluminum STKM11A	
Feedback	Hall sensor	
Operating and storage temperature	-26°C~+65°C	
Manufacturing quality standards	ISO 9001:2008	
RoHS compliance	Yes	
CE label	Yes	

Hall sensor output circuit Open collector output



Motor wiring

