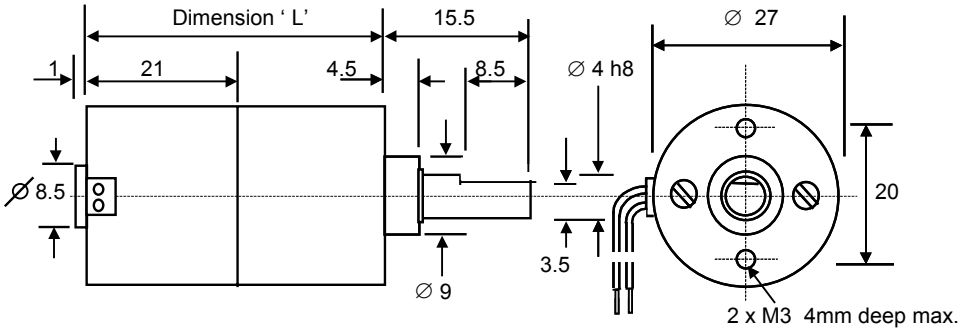
Geared dc instrument motor 1271 series

The 1271 geared instrument dc motor is ideally suited to a wide range of applications requiring a combination of low speed operation and small unit size. The integral iron core dc motor provides smooth operation and a bi-directional variable speed capability while the gearhead utilises a multi-stage metal spur gear train rated for a working torque up to 0.2 Nm.

The unit, which is suitable for mounting in any attitude, provides reliable operation over a wide ambient temperature range and is equipped with an integral VDR (voltage dependant resistor) electrical suppression system to minimise electrical interference.

The 1271 unit offers a range of gear ratio options for operating speeds from 5- 200 rpm and is ideally suited to applications where small size and low unit price are important design criteria.

Dimensions: mm



leads 120 mm typical (exit position not guaranteed)

Specification

Order Code	Length 'L' (mm)	Gear ratio	Nominal Voltage (Vdc)	No-Load speed (rpm)	Rated Speed (rpm)	Rated Torque (Ncm)	Rated Current (mA)	Mass (grams)
1271-06- 10	36	10:1	6	215	120	1.5	85	55
1271-12- 10	36	10:1	12	255	165	1.5	50	55
1271-06- 21	36	21:1	6	105	60	2.5	85	55
1271-12- 21	36	21:1	12	125	80	2.5	50	55
1271-06- 43	41	43:1	6	52	32	3.8	85	57
1271-12- 43	41	43:1	12	60	40	3.8	50	57
1271-06- 90	41	90:1	6	25	13	8.0	85	58
1271-12- 90	41	90:1	12	30	18	8.0	50	58
1271-06-188	46	188:1	6	12	7	14.0	85	59
1271-12-188	46	188:1	12	14	9	14.0	50	59
1271-06-392	46	392:1	6	6	4	20.0	75	60
1271-12-392	46	392:1	12	7	5	20.0	45	60

Max No Load Current: 6 volt types: 30 mA
12 volt types: 20 mA
Max Radial shaft load : 10N
Max Axial shaft load : 5 N
Ambient temperature range: -20 to +60 deg.C

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