

integrated servo motor - 1.1 Nm - 6000 rpm - with brake

ILM0701P01F0000

EAN Code: 3606485293608

Main

Range of product	PacDrive 3	
Product or component type	Servo motor integrated drive	
Device short name	ILM	

Complementary

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[Us] rated supply voltage	250700 V	
Continuous stall current	1.55 A	
Continuous stall torque	1.1 N.m	
Peak stall torque	3.5 N.m	
Nominal output power	310 W	
nominal torque	0.5 N.m	
Nominal speed	6000 rpm	
Maximum current Irms	5.7 A	
[In] rated current	0.6 A	
Shaft end	Untapped	
Second shaft	Without second shaft end	
Shaft diameter	11 mm	
Shaft length	23 mm	
key width	18 mm	
Feedback type	Absolute single turn SinCos Hiperface	
Speed feedback resolution	128 periods	
Holding brake	With	
Holding torque	3 N.m holding brake	
Mounting support	International standard flange	
Motor flange size	70 mm	
Torque constant	0.71 N.m/A at 120 °C	
Back emf constant	46 V/krpm at 20 °C	
Number of motor poles	6	
Rotor inertia	0.35 kg.cm²	
Stator resistance	10.4 Ohm at 20 °C for Ph/Ph 7.23 Ohm at 120 °C for Ph/N	

38.8 mH at 20 °C for Ph/Ph	
19.4 mH at 120 °C for Ph/N	
660 N at 1000 rpm	
520 N at 2000 rpm	
460 N at 3000 rpm	
410 N at 4000 rpm	
380 N at 5000 rpm	
360 N at 6000 rpm	
0.2 x Fr	
Natural convection	
219 mm	
1	
60 mm	
2.5 mm	
4	
5.5 mm	
82 mm	
3 kg	

Environment

IP degree of protection IP54

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.500 cm
Package 1 Width	22.000 cm
Package 1 Length	40.000 cm
Package 1 Weight	3.885 kg
Unit Type of Package 2	P12
Number of Units in Package 2	4
Package 2 Height	45.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	30.140 kg

Logistical informations

Country of origin DE

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

⊘ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No