

Product datasheet

Specifications



ILM integrated drive, 70mm, 1 stack,
smooth Shaft, SinCos Multiturn 128,
no Brake

ILM0701P02A0000

Main

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

Complementary

[Us] rated supply voltage	250...700 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 multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
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	0.25 kg.cm ²
Stator resistance	10.4 Ohm at 20 °C for Ph/Ph 7.23 Ohm at 120 °C for Ph/N
Stator inductance	38.8 mH at 20 °C for Ph/Ph 19.4 mH at 120 °C for Ph/N

Maximum radial force Fr	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
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	212 mm
Number of motor stacks	1
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Net weight	2.7 kg

Environment

IP degree of protection	IP54
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22.4 cm
Package 1 Width	40.0 cm
Package 1 Length	19.4 cm
Package 1 Weight	3.62 kg
Unit Type of Package 2	P06
Number of Units in Package 2	6
Package 2 Height	77.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	30.268 kg

Logistical informations

Country of origin	DE
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Contractual warranty

Warranty (in months)	18
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Environmental Data

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

Total lifecycle Carbon footprint	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	0 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	1
End of life manual availability	End of Life Information
Take-back	Yes