Product data sheet
Characteristics

ILM1402P02F0000
integrated servo motor - 12.5 Nm - 2000 rpm - multiturn - with brake

Green Premium™

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	4.8 A
Continuous stall torque	12.5 N.m
Peak stall torque	55 N.m
Nominal output power	1910 W
Nominal torque	9.1 N.m
Nominal speed	2000 rpm
Maximum current Irms	24 A
[In] rated current	3.7 A
Shaft end	Untapped
Second shaft	Without second shaft end
Shaft diameter	24 mm
Shaft length	50 mm
Key width	40 mm
Feedback type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	23 N.m holding brake
Mounting support	International standard flange
Motor flange size	140 mm
Torque constant	2.6 N.m/A at 120 °C
Back emf constant	173 V/krpm at 20 °C
Number of motor poles	10
Rotor inertia	12.68 kg.cm²
Stator resistance	1.9 Ohm at 20 °C for Ph/Ph 1.32 Ohm at 120 °C for Ph/N
Stator inductance	22 MH at 20 °C for Ph/Ph 11 mH at 120 °C for Ph/N
Maximum radial force Fr	2430 N at 1000 rpm 1930 N at 2000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	347 mm
Number of motor stacks	2

Centring collar diameter	130 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Net weight	18.5 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	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	25.53 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Life Is On | Schneider Electric