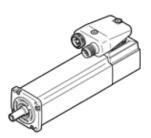
servo motor EMME-AS-40-M-LV-AMB Part number: 2082447

FESTO

Without gear unit/with brake.



Data sheet

Ambient temperature	Feature	Value
Relative air humidity Conforms to standard IEC 60034 Insulation protection class F Rating class according to EN 60034-1 S1 Protection class IP21 Electrical connector system Materials note Conforms to RoHS Corrosion resistance classification CRC O - No corrosion stress PWIS conformity Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) UKCA marking (see declaration of conformity)	Ambient temperature	-10 40 °C
Conforms to standard IEC 60034 IRISURATION TO STANDARD Rating class according to EN 60034-1 S1 Protection class IP21 Electrical connector system Materials note Corrosion resistance classification CRC O-No corrosion stress Plug Materials note Corrosion resistance classification CRC O-No corrosion stress PWIS conformity VDMA2364 zone III Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive low-voltage devices in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC TO UK RoHS instructions Nominal operating voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal torque 0.22 Nm Nominal torque 0.20 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 10.175 Nm/A Voltage Constant, phase-to-phase 13.2 m/min Max. phase-phase winding inductance 14.5 in H Volveral mass moment of inertia at power take-off Phase-phase winding inductance 12 N Permissible axial shaft load Permissible expective Pectuary of the ERCE Public Warry position encoder interface Public Warry position encoder interfa	Storage temperature	-20 70 °C
Insulation protection class Rating class according to EN 60034-1 S1 Rating class according to EN 60034-1 Frotection class IP21 Electrical connector system Plug Materials note Conforms to RoHS Corrosion resistance classification CRC O - No corrosion stress PWIS conformity VDMA23564 zone III Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) LE mark (see declaration of conformity) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Star inside Number of pole pairs 2 Standsfill forque 0.21 Nm Peak torque 0.21 Nm Nominal torque 0.22 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal motor power 200 V Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 0.475 Nm/A Voltage constant, phase-to-phase 1.3.2 m/vmin Phase-phase winding resistance 1.4.5 mH Overall mass moment of inertia at power take-off Overall mass moment of inertia at power take-off Phase-phase winding resistance Phase-phase winding resistance Phase phase winding inductance 0.644 permissible axial shaft load 115 N Rotor position encoder measuring principle	Relative air humidity	0 - 90 %
Rating class according to EN 60034-1 Protection class IP21 Electrical connector system Plug Materials note Corrosion resistance classification CRC O- No corrosion stress PWIS conformity Authorisation RCM Mark CUL us - Recognized (OL) CE mark (see declaration of conformity) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK instructions for EMC To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Standsrill torque 0.21 Nm Peak torque 1.4 Nm Nominal torque 0.21 Nm Nominal torque 0.21 Nm Nominal rotary speed 9,000 1/min Max. speed 1,0,000 1/min Max. speed 1	Conforms to standard	IEC 60034
Protection class	Insulation protection class	F
Protection class	Rating class according to EN 60034-1	S1
Materials note Corrosion resistance classification CRC 0 - No corrosion stress Wilso Conformity Authorisation CE mark (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 350 N Nominal torque 0.21 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal torque 0.21 Nm Nominal rotary speed 1,0,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor qurent 1.2 A Peak current Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 m/Ymin Phase-phase winding resistance Northy in the side of the side o		IP21
Corrosion resistance classification CRC PWIS conformity Authorisation RCM Mark c UL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive for EMC to EU directive low-voltage devices in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK north Company To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Star inside Number of pole pairs 2 Standstill torque 0.33 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.1 A Nominal motor current 1.2 A Peak current Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding resistance 9,000 1/min Phase-phase winding inductance 0.079 kgcm2 Permissible axial shaft load 12 N Permissible axial shaft load Permissible evaluation encoder measuring principle Capacitive	Electrical connector system	Plug
PWIS conformity Authorisation RCM Mark CUL us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive for EMC to EU directive for eMC TO UK instructions for electrical equipment TO UK instructions for electrical equipment TO UK instructions for EMC TO UK ROHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 11.6 A Nominal motor power Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 14.51 mH Overall mass moment of inertia at power take-off Product weight Permissible radial shaft load 12 N Permissible radial shaft load 12 N Permissible radial shaft load Rotary position encoder measuring principle Capacitive Capacitive	Materials note	Conforms to RoHS
Authorisation RCM Mark cU us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive for EMC to EU directive low-voltage devices in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Nominal operating voltage DC 360 V Nominal rot pole pairs 2 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 0.21 Nm Nominal torque 1.4 Nm Nominal torapy speed 9,000 1/min Max. speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Nominal motor current 9.1.2 A Peak current 0.4.75 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 0 hm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Permissible axial shaft load 12 N Permissible axial shaft load 15 N Rotor position encoder measuring principle Capacitive	Corrosion resistance classification CRC	0 - No corrosion stress
Authorisation RCM Mark cU us - Recognized (OL) CE mark (see declaration of conformity) to EU directive for EMC to EU directive for EMC to EU directive low-voltage devices in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Nominal operating voltage DC 360 V Nominal rot pole pairs 2 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 0.21 Nm Nominal torque 1.4 Nm Nominal torapy speed 9,000 1/min Max. speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Nominal motor current 9.1.2 A Peak current 0.4.75 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 0 hm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Permissible axial shaft load 12 N Permissible axial shaft load 15 N Rotor position encoder measuring principle Capacitive	PWIS conformity	VDMA24364 zone III
CE mark (see declaration of conformity) Lo EU directive for EMC to EU directive low-voltage devices in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.6 A Nominal motor current 6.4 A Motor constant Voltage constant, phase-to-phase Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Permissible axial shaft load 15 N Rotary position encoder interface Rotary position encoder interface Rotary position encoder measuring principle Local interctive for EMC to EU directive led in accordance with EU Row-voltage devices in Eucrotage viole and Eucrotage v	·	RCM Mark
to EU directive low-voltage devices in accordance with EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for electrical equipment To UK ROHS instructions for EMC To UK ROHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.6 A Nominal motor current 6.4 A Motor constant Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 14.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible radial shaft load 115 N Rotary position encoder interface Rotary position encoder interface Rotary position encoder interface Rotary position encoder measuring principle Capacitive		c UL us - Recognized (OL)
to EU directive low-voltage devices in accordance with EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for electrical equipment To UK ROHS instructions for EMC To UK ROHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.6 A Nominal motor current 6.4 A Motor constant Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 14.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible radial shaft load 115 N Rotary position encoder interface Rotary position encoder interface Rotary position encoder interface Rotary position encoder measuring principle Capacitive	CE mark (see declaration of conformity)	to EU directive for EMC
in accordance with EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment To UK instructions for EMC To UK ROHS instructions Nominal operating voltage DC 360 V Nominal voltage DC 360 V To UK and Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.2 A Peak current 1.2 A Peak current 6.4 A Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Permissible axial shaft load 12 N Permissible radial shaft load Rotary position encoder interface Rotary position encoder interface Rotary position encoder interface Rotary position encoder measuring principle i in accordance with instructions for electrical equipment To UK instructions for EMC To UK instructions for EMC To UK ROHS instructions 360 V To UK ROHS instructions 360 V 360		to EU directive low-voltage devices
To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC Nominal voltage DC Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.21 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. open-circuit current 1.6 A Nominal motor power Continuous open-circuit current 1.2 A Peak current 6.4 A Nominal motor current 1.2 A Peak current 6.4 A Notor constant Voltage constant, phase-to-phase 13.2 m/min Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Porduct weight Permissible axial shaft load 12 N Permissible vaial shaft load Rotary position encoder measuring principle Rotary position encoder measuring principle Tive MAS Star instructions 360 V Vales Star inside Non 1.3 u Mmin 1.4 Nm 1.5 u M Roter position senoor Absolute multi-turn encoder Rotary position encoder measuring principle		
To UK instructions for EMC To UK RoHS instructions Nominal operating voltage DC Nominal voltage DC Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.21 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. speed 10,000 1/min Max. open-circuit current 1.6 A Nominal motor power Continuous open-circuit current 1.2 A Peak current 6.4 A Nominal motor current 1.2 A Peak current 6.4 A Notor constant Voltage constant, phase-to-phase 13.2 m/min Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Porduct weight Permissible axial shaft load 12 N Permissible vaial shaft load Rotary position encoder measuring principle Rotary position encoder measuring principle Tive MAS Star instructions 360 V Vales Star inside Non 1.3 u Mmin 1.4 Nm 1.5 u M Roter position senoor Absolute multi-turn encoder Rotary position encoder measuring principle	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
Nominal operating voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Nominal voltage DC 360 V Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque Nominal rotary speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 0 hm Phase-phase winding inductance Voerall mass moment of inertia at power take-off Product weight 850 g Permissible axial shaft load Rotary position encoder measuring principle Rotary position encoder measuring principle Rotary position encoder measuring principle Turner 10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	To UK instructions for EMC
Nominal voltage DC Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance Phase winding inductance 1.5 mH Overall mass moment of inertia at power take-off Pormissible axial shaft load 115 N Permissible radial shaft load 115 N Rotor position encoder measuring principle Rotary position encoder measuring principle Rotary position encoder measuring principle San Max Star inside Star i		
Nominal voltage DC Type of winding switch Star inside Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance Phase winding inductance 1.5 mH Overall mass moment of inertia at power take-off Pormissible axial shaft load 115 N Permissible radial shaft load 115 N Rotor position encoder measuring principle Rotary position encoder measuring principle Rotary position encoder measuring principle San Max Star inside Star i	Nominal operating voltage DC	360 V
Type of winding switch Number of pole pairs Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant Voltage constant, phase-to-phase Phase-phase winding resistance Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Product weight Permissible axial shaft load Rotary position encoder interface Rotary position encoder measuring principle San Nm 22 Star inside 32 Star inside 32 35 Nm 35 35 Nm 45 36 37 38 38 39 39 30 30 30 30 30 30 30 30		-
Number of pole pairs 2 Standstill torque 0.35 Nm Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive		
Standstill torque0.35 NmNominal torque0.21 NmPeak torque1.4 NmNominal rotary speed9,000 1/minMax. speed10,000 1/minNominal motor power200 WContinuous open-circuit current1.6 ANominal motor current1.2 APeak current6.4 AMotor constant0.175 Nm/AVoltage constant, phase-to-phase13.2 mVminPhase-phase winding resistance8.6 OhmPhase-phase winding inductance4.51 mHOverall mass moment of inertia at power take-off0.079 kgcm2Product weight850 gPermissible axial shaft load12 NPermissible radial shaft load115 NRotor position sensorAbsolute multi-turn encoderRotary position encoder interfaceHIPERFACE®Rotary position encoder measuring principleCapacitive		
Nominal torque 0.21 Nm Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive		_
Peak torque 1.4 Nm Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive	·	
Nominal rotary speed 9,000 1/min Max. speed 10,000 1/min Nominal motor power 200 W Continuous open-circuit current 1.6 A Nominal motor current 2.1 A Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder measuring principle Capacitive	'	
Max. speed10,000 1/minNominal motor power200 WContinuous open-circuit current1.6 ANominal motor current1.2 APeak current6.4 AMotor constant0.175 Nm/AVoltage constant, phase-to-phase13.2 mVminPhase-phase winding resistance8.6 OhmPhase-phase winding inductance4.51 mHOverall mass moment of inertia at power take-off0.079 kgcm2Product weight850 gPermissible axial shaft load12 NPermissible radial shaft load115 NRotor position sensorAbsolute multi-turn encoderRotary position encoder interfaceHIPERFACE®Rotary position encoder measuring principleCapacitive	•	·
Nominal motor power Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant Voltage constant, phase-to-phase Phase-phase winding resistance Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off Product weight Permissible axial shaft load Permissible radial shaft load Rotor position sensor Rotary position encoder interface Rotary position encoder measuring principle 200 W 1.6 A 1.2 A 1.2 A 1.2 A 6.4 A 0.175 Nm/A 0.175 Nm/A 0.175 Nm/A 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Rotor position sensor Absolute multi-turn encoder HIPERFACE® Rotary position encoder measuring principle Capacitive		, .
Continuous open-circuit current 1.6 A Nominal motor current 1.2 A Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface Rotary position encoder measuring principle Capacitive	· · · · · · · · · · · · · · · · · · ·	
Nominal motor current Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface Rotary position encoder measuring principle Capacitive	·	
Peak current 6.4 A Motor constant 0.175 Nm/A Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface Rotary position encoder measuring principle Capacitive	· ·	
Motor constant Voltage constant, phase-to-phase 13.2 mVmin Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface Rotary position encoder measuring principle Capacitive		
Voltage constant, phase-to-phase Phase-phase winding resistance 8.6 Ohm Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive		•
Phase-phase winding resistance Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive		·
Phase-phase winding inductance 4.51 mH Overall mass moment of inertia at power take-off 0.079 kgcm2 Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive	9 1	
Overall mass moment of inertia at power take-off Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Rotary position encoder interface Rotary position encoder measuring principle Capacitive		
Product weight 850 g Permissible axial shaft load 12 N Permissible radial shaft load 115 N Rotor position sensor Absolute multi-turn encoder Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive	,	
Permissible axial shaft load Permissible radial shaft load 115 N Rotor position sensor Rotary position encoder interface Rotary position encoder measuring principle Capacitive		
Permissible radial shaft load Rotor position sensor Rotary position encoder interface Rotary position encoder measuring principle Capacitive		-
Rotor position sensor Rotary position encoder interface Rotary position encoder measuring principle Capacitive		
Rotary position encoder interface HIPERFACE® Rotary position encoder measuring principle Capacitive		1
Rotary position encoder measuring principle Capacitive	'	
	• •	
KOTOL DOSTHOU EUCOGER, STRUSOIGAL/COSTRUSOIGAL DEFIORS DEL TEVOLUTION 116	Rotor position encoder, sinusoidal/cosinusoidal periods per revolution	16



Feature	Value
Rotor position encoder, typical resolution	12 Bit
Rotor position encoder, typical angular accuracy	20 arcmin
Brake holding torque	0.4 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	8 W
Mass moment of inertia of brake	0.014 kgcm2
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
MTTF, subcomponent	371 years, holding brake
MTTFd, subcomponent	271 years, rotary position encoder