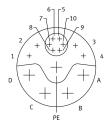
Servo motor EMMT-AS-80-M-HS-RMYB Part number: 8160649

FESTO





Data sheet

Feature	Value
Ambient temperature	-15 °C40 °C
Note on ambient temperature	Up to 80 °C with derating of -1.5% per degree Celsius
Max. installation height	4000 m
Information on max. installation height	with 1,000 m and longer only with derating of -1.0% per 100 m
Storage temperature	-20 °C70 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Thermal class according to EN 60034-1	F
Max. winding temperature	155 ℃
Rating class according to EN 60034-1	S1
Temperature monitoring	Digital motor temperature transmission via EnDat® 2.2
Motor type as per EN 60034-7	IM B5 IM V1 IM V3
Mounting position	Any
Degree of protection	IP40
Note on degree of protection	IP40 for motor shaft without rotary shaft seal IP65 for motor shaft with rotary shaft seal IP67 for motor housing, incl. connection technology
Concentricity, coaxiality, axial runout according to DIN SPEC 42955	N
Balancing quality	G 2.5
Detent torque	<1.0% of peak torque
Bearing lifetime, under nominal conditions	20000 h
Interface code, motor out	80P
Electrical connection 1, connection type	Hybrid plug
Electrical connection 1, connection technology	M23x1
Electrical connection 1, number of pins/wires	15
Contamination level	2
Note on materials	RoHS-compliant
Corrosion resistance class (CRC)	0 - No corrosion stress

All Patients resistance Farrisport application test with sewerity level 2 as per FN 94/2017-4 and EN 60068-7-6 Farrisport application test with sewerity level 2 as per FN 94/2017-5 and EN 60068-7-2 Farrisport application of Conformity)	Feature	Value
EN 60068-2-6 Shock resistance Shock test with sewortly level 2 as per FN 94.2017-5 and EN 60068-2-2 Certification Ce	LABS (PWIS) conformity	VDMA24364 zone III
Errification Seman Technical Control Board (TUV) c.U. u.s. Recognized (CU) v.C. u.s. Recognized	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
German Technical Control Board (TUV) c U. U. 9. Recognized (OU) Extracting (see declaration of conformity) A per EU BMC directive As per EU Row violage as per Poul violage As per EU Row violage as per Poul violage As per possible on ecoder for DE caperating voltage range As our positi	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
As per EU low Voltage directive As per EU low Sol directive JECKA marking (see declaration of conformity) TO UK Instructions for EMC TO UK ROH's Instructions for EMC TO UK ROH's Instructions for electrical equipment Levilificate issuing authority UK 968/INS 464.00/24 UK 2842973 Nominal operating voltage DC 880 V Voltage of Warding switch Star Inside Voltage of Star Inside Voltage constants INM/A Voltage constant, phase-to-phase Voltage constant Volt	Certification	German Technical Control Board (TÜV)
To UK Robs Instructions To UK Instructions for electrical equipment Certificate issuing authority ITUY 968/INS 464.00/24 UE \$34973 Vominal operating voltage DC 660 V Spee of Winding switch Star Inside Vumber of pole pairs 5 Startificate of the start of the	CE marking (see declaration of conformity)	As per EU low voltage directive
UL 1542973	UKCA marking (see declaration of conformity)	To UK RoHS instructions
Star inside	Certificate issuing authority	
Stall torque	Nominal operating voltage DC	680 V
Stall torque 2.6 Nm Nominal rotrque 2.2 Nm Peak torque 6.4 Nm Nominal rotary speed 3000 rpm Max. rotational speed 6800 rpm Moutor nominal power 6900 w Continuous stall current 2.6 A Motor nominal current 2.2 A Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Motor constants 2.7 mm/A Standstill torque constant 1.17 Nm/A Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Motor constants 7.7 m/min Motor constant in in including resistance 7.4 3 0 hm Winding inductance phase-phase with in including resistance 31.8 mH Winding longitudinal inductivity Ld (phase) 19.4 mH Electric time constant 6.4 ms Internal time constant 6.4 ms Thermal time constant 4.5 min Thermal time constant 4.5 min Thermal time constant 1.28 kgcm²	Type of winding switch	Star inside
Nominal torque 2.2 Nm	Number of pole pairs	5
Act Mar	Stall torque	2.6 Nm
Nominal rotary speed Max. rotational speed 6800 rpm 100000 rad/s² Motor nominal power 690 W Continuous stall current 2.6 A Wotor nominal current 9.A Wotor cominal current 9.A Wotor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Voltage constant, phase-to-phase 70.7 mVmin Phase-phase winding resistance 7.4.3 Ohm Winding inductance phase-phase Winding inductance phase-phase Winding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Thermal time constant 6.4 ms Chemial resistance 0.78 K/W Weasuring flange 250 x 250 x 15 mm, steel Forduct weight Portugate has been been as a series of a	Nominal torque	2.2 Nm
Max. rotational speed Angular acceleration 10000 rad/s² Angular acceleration 10000 rad/s² Angular acceleration 10000 rad/s² Angular acceleration 2.6 A Motor nominal power 2.6 A Motor nominal current 2.2 A Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Voltage constant, phase-to-phase 70.7 m/min Phase-phase winding resistance 7.43 Ohm Minding longitudinal inductivity Ld (phase) Phase-phase winding resistance 7.43 Ohm Minding longitudinal inductivity Ld (phase) 19.4 mH Tross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Thermal time constant 6.4 ms Thermal time constant 1.285 Kgcm² Product weight 3360 g Permissible axial shaft load Permissible axial shaft load 620 N Rotor position sensor Safety encoder, absolute multi-turn Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor measuring principle Inductive Rotor position encoder for DC operating voltage range Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor PC operating voltage Rotor position encoder for DC operating voltage Rotor PC operating voltage Rotor PC operating voltage Rotor PC operating voltage Rotor	Peak torque	6.4 Nm
Angular acceleration 10000 rad/s² Motor nominal power 690 W Continuous stall current 2.6 A Motor nominal current 2.7 A Wotor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Motor aconstants 1.17 Nm/A Motor phase winding resistance 7.7 mVmin Phase winding resistance 7.4 3 Ohm Winding inductance phase-phase 31.8 mH Winding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 4.5 min Thermal triesistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Steen sistle axial shaft load 120 N Permissible axial shaft load 620 N Rotor position sensor for manufacturer designation Equitation Rotor position sensor for manufacturer designation EQ 1131 Rotor position sensor interface Endate Part Scot Position sensor resolution Scot Position Sco	Nominal rotary speed	3000 rpm
Motor nominal power Continuous stall current 2.6 A Motor nominal current 2.2 A Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Molting constant, phase-to-phase 7.7 mVmin Phase-phase winding resistance 7.43 Ohm Minding inductance phase-phase Winding inductance phase-phase Winding singitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Fhermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel fotal output inertia moment 1.285 kgcm² Product weight 3360 g Permissible axial shaft load Permissible axial shaft load Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor interface Rotor position sensor interface Rotor position sensor interface Rotor position sensor interface Rotor position sensor measuring principle Rotor position sensor resolution 5 24288 Rotor position sensor resolution For Position sensor resolution Rotor position sensor resolution Rotor position sensor resolution 19 bit Parke DC Operating voltage Rotor Position sensor resolution	Max. rotational speed	6800 rpm
Continuous stall current 2.6 A Motor nominal current 2.2 A Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constant, phase-to-phase 70.7 m/min Phase-phase winding resistance 7.43 Ohm Minding inductance phase-phase 31.8 mH Minding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Fihermal time constant 45 min Fihermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Foldal output inertia moment 1.285 kgcm² Product weight 3360 g Permissible radial shaft load 20 N Permissible radial shaft load 620 N Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor interface EnDat® 22 Rotor position sensor interface EnDat® 22 Rotor position sensor measuring principle Inductive Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position sensor for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position sensor resolution 524.288 Rotor position sensor resolution 4.5 Nm Brake DC operating voltage 4.5 Nm Brake DC operating voltage	Angular acceleration	100000 rad/s ²
Continuous stall current 2.6 A Motor nominal current 2.2 A Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constants 1.17 Mm/A Motor constant, phase-to-phase 70.7 m/min Phase-phase winding resistance 7.43 Ohm Minding inductance phase-phase 31.8 mH Minding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Fihermal time constant 45 min Fihermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Foldal output inertia moment 1.285 kgcm² Product weight 3360 g Permissible radial shaft load 20 N Permissible radial shaft load 620 N Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor for manufacturer designation EQI 1131 Rotor position sensor interface EnDat® 22 Rotor position sensor interface EnDat® 22 Rotor position sensor measuring principle Inductive Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position sensor for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position sensor resolution 524.288 Rotor position sensor resolution 4.5 Nm Brake DC operating voltage 4.5 Nm Brake DC operating voltage	Motor nominal power	690 W
Peak current 9 A Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A Notlage constant, phase-to-phase 70.7 mVmin Phase-phase winding resistance 7.43 Ohm Minding inductance phase-phase 31.8 mH Winding inductance phase-phase 31.8 mH Winding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Hermal time constant 45 min Hermal treistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Product weight 3360 g Permissible axial shaft load 120 N Permissible radial shaft load 620 N Storp position sensor for manufacturer designation EQI 131 Storp position encoder for absolutely detectable revolutions 4096 Rotor position sensor interface EnDat® 22 Rotor position sensor interface EnDat® 22 Rotor position encoder for DC operating voltage 5 V Rotor position encoder for DC operating voltage 5 V Rotor position encoder for DC operating voltage 5 V Rotor position encoder for positional values per revolution 524288 Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake DC operating voltage 6 24 V	Continuous stall current	2.6 A
Motor constants 1 Nm/A Standstill torque constant 1.17 Nm/A 70.7 mVmin 70.7 mVmin 70.8 phase vinding resistance 7.43 0 hm Minding inductance phase-phase Minding longitudinal inductivity Ld (phase) 23.8 mH Cross inductivity Lq (phase) 23.8 mH Stelectric time constant 6.4 ms Stelectric time constant 6.4 ms Stelectric time constant Chermal time constant Chermal time constant Chermal resistance 7.78 K/W Measuring flange 250 x 250 x 15 mm, steel Forduct weight 3360 g Permissible axial shaft load Permissible radial shaft load Permissible radial shaft load Permissible radial shaft load Rotor position sensor for manufacturer designation Rotor position sensor for manufacturer designation Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position sensor rosolution Rotor position encoder for positional values per revolution Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Rotor position encoder for positional values per revolution Rotor position encoder for DC operating voltage Rotor position encoder	Motor nominal current	2.2 A
Standstill torque constant Autority of the second stant of the se	Peak current	9 A
Voltage constant, phase-to-phase Phase-phase winding resistance Phase-phase winding resistance Vinding inductance phase-phase Vinding longitudinal inductivity Ld (phase) 19.4 mH Vinding longitudinal inductivity Ld (phase) 23.8 mH Electric time constant 6.4 ms Fihermal time constant Fihermal resistance Vinding flange Vin	Motor constants	1 Nm/A
Phase-phase winding resistance 7.43 0 hm Winding inductance phase-phase 31.8 mH Winding longitudinal inductivity Ld (phase) 19.4 mH Cross inductivity Lq (phase) 23.8 mH Electric time constant 6.4 ms Fihermal time constant Fihermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Permissible axial shaft load Permissible axial shaft load Permissible radial shaft load Rotor position sensor Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor interface Rotor position sensor interface Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for positional values per revolution Rotor position sensor resolution Rotor position encoder for positional values per revolution Rotor position sensor resolution Rotor position encoder for positional values per revolution Rotor position encoder for position	Standstill torque constant	1.17 Nm/A
Minding inductance phase-phase 31.8 mH Minding longitudinal inductivity Ld (phase) 23.8 mH Electric time constant 6.4 ms Electric time constant 6.4 ms Electric time constant 6.4 ms Electric time constant 6.5 min Electric time constant 6.5 min Electric time constant 7.7 min Electric time constant 8.5 min Electric time constant 8.5 min Electric time constant 8.6 min Electric time constant 8.7 min 1.28 kg/cm² 2.50 x 250 x 15 mm, steel 1.28 kg/cm² 2.7 mm, steel 1.28 kg/cm² 2.7 mm, steel 1.20 N Electric time constant 8.7 min 1.20 N 2.2 min 8.7 min	Voltage constant, phase-to-phase	70.7 mVmin
Minding longitudinal inductivity Ld (phase) 23.8 mH Electric time constant 6.4 ms Thermal time constant 45 min Thermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Product weight 3360 g Permissible axial shaft load 20 N Permissible radial shaft load 80tor position sensor for manufacturer designation Rotor position sensor for manufacturer designation Rotor position sensor interface Rotor position sensor position sensor interface Rotor position sensor for manufacturer designation Rotor position sensor for moseuring principle Inductive Rotor position sensor interface Rotor position sensor interface Rotor position sensor interface Rotor position sensor resolution unductive Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage ange Rotor position encoder for positional values per revolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage	Phase-phase winding resistance	7.43 Ohm
23.8 mH Electric time constant 6.4 ms Thermal time constant Thermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Product weight Permissible axial shaft load Permissible radial shaft load Rotor position sensor Rotor position sensor for manufacturer designation Rotor position sensor interface Rotor position sensor interface Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position sensor resolution Rotor position encoder for positional values per revolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage	Winding inductance phase-phase	31.8 mH
Electric time constant Firemal time constant Firemal resistance O.78 K/W Measuring flange 250 x 250 x 15 mm, steel Forduct weight Fordu	Winding longitudinal inductivity Ld (phase)	19.4 mH
Thermal time constant 45 min O.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Perduct weight Permissible axial shaft load Permissible radial shaft load Rotor position sensor for manufacturer designation Rotor position sensor for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for positional values per revolution 19 bit Brake holding torque Rotor poerating voltage 24 V	Cross inductivity Lq (phase)	23.8 mH
Thermal resistance 0.78 K/W Measuring flange 250 x 250 x 15 mm, steel Total output inertia moment 1.285 kgcm² Perduct weight 3360 g Permissible axial shaft load 120 N Permissible radial shaft load 620 N Rotor position sensor Safety encoder, absolute multi-turn Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution 19 bit Brake holding torque Rotor poerating voltage 24 V	Electric time constant	6.4 ms
Measuring flange 250 x 250 x 15 mm, steel 1.285 kgcm² Product weight 3360 g Permissible axial shaft load 120 N Permissible radial shaft load Rotor position sensor Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for positional values per revolution 250 x 250 x 15 mm, steel 1.285 kgcm² 3360 g 120 N 820	Thermal time constant	45 min
Total output inertia moment 1.285 kgcm² Peroduct weight 3360 g Permissible axial shaft load 120 N Permissible radial shaft load 620 N Rotor position sensor Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 8 36 V14 V 8 37 M 8 49 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 8 M 8 9 M	Thermal resistance	0.78 K/W
Product weight Permissible axial shaft load Permissible radial shaft load Rotor position sensor Rotor position sensor for manufacturer designation Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Rotor position sensor resolution 19 bit Brake holding torque 24 V	Measuring flange	250 x 250 x 15 mm, steel
Permissible axial shaft load Permissible radial shaft load Permissible radial shaft load Permissible radial shaft load Rotor position sensor Rotor position sensor for manufacturer designation Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Rotor position sensor resolution Permissible axial shaft load Rotor position sensor measuring principle Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position sensor resolution Permissible axial shaft load Rotor position encoder for absolutely detectable revolution Permissible axial shaft load Rotor position encoder for absolutely detectable revolution Permissible axial shaft load Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Permissible axial shaft load Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for DC operating voltage range Rotor position encoder for DC operating voltage Ro	Total output inertia moment	1.285 kgcm ²
Permissible radial shaft load Rotor position sensor Safety encoder, absolute multi-turn Rotor position sensor for manufacturer designation Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Safety encoder, absolute multi-turn 4096 EnDat® 22 Rotor position sensor measuring principle Inductive Rotor position encoder for DC operating voltage 3.6 V14 V Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage	Product weight	3360 g
Safety encoder, absolute multi-turn Rotor position sensor for manufacturer designation EQI 1131 Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface EnDat® 22 Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Solution position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Permissible axial shaft load	120 N
Rotor position sensor for manufacturer designation EQI 1131 Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage ange Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Permissible radial shaft load	620 N
Rotor position encoder for absolutely detectable revolutions Rotor position sensor interface Rotor position sensor measuring principle Inductive Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage ange Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Sector position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position sensor	Safety encoder, absolute multi-turn
Rotor position sensor interface Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage Rotor position encoder for DC operating voltage range Rotor position encoder for positional values per revolution Sector position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position sensor for manufacturer designation	EQI 1131
Rotor position sensor measuring principle Rotor position encoder for DC operating voltage Sotor position encoder for DC operating voltage 3.6 V14 V Rotor position encoder for positional values per revolution Sotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position encoder for absolutely detectable revolutions	4096
Rotor position encoder for DC operating voltage 5 V Rotor position encoder for DC operating voltage range 3.6 V14 V Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position sensor interface	EnDat® 22
Rotor position encoder for DC operating voltage range 3.6 V14 V Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position sensor measuring principle	Inductive
Rotor position encoder for positional values per revolution 524288 Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position encoder for DC operating voltage	5 V
Rotor position sensor resolution 19 bit Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position encoder for DC operating voltage range	3.6 V14 V
Brake holding torque 4.5 Nm Brake DC operating voltage 24 V	Rotor position encoder for positional values per revolution	524288
Brake DC operating voltage 24 V	Rotor position sensor resolution	19 bit
	Brake holding torque	4.5 Nm
Brake power consumption 12 W	Brake DC operating voltage	24 V
	Brake power consumption	12 W

Feature	Value
	Safety device Safety integrity level 3 See user documentation Reliable recording and transmission of single-turn position data Reliable recording and transmission of single-turn position data, only with additional software function in the servo drive Performance Level e, Category 3 See user documentation Reliable recording and transmission of single-turn position data Reliable recording and transmission of single-turn position data, only with additional software function in the servo drive
Brake mass moment of inertia	0.249 kgcm ²
Switching cycles, holding brake	10 million idle actuations (without friction work!)
PFHd, subcomponent	15 x 10E-9, encoder
Duration of use Tm, subcomponent	20 years, rotor position sensor
Energy efficiency	ENEFF (CN) / Class 2