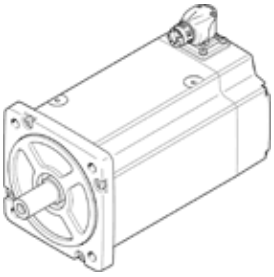
Servomotor
EMMT-AS-150-MK-HV-R3MYB

Broj artikla: 8148293

FESTO



Tehnički podaci

Svojstvo	Vrednost
Temperatura okoline	-15 ... 40 °C
Note on ambient temperature	up to 80°C with derating -1.5%/°C
Max. installation height	4.000 m
Note on max. installation height	As of 1,000 m, only with derating of -1.0% per 100 m
Temperatura ležaja	-20 ... 70 °C
Relativna vlažnost vazduha	0 - 90 %
Odgovara standardu	IEC 60034
Termalna klasa prema EN 60034-1	F
Max. winding temperature	155 °C
Klasa dimenzionisanja prema EN 60034-1	S1
Nadzor temperature	Digital motor temperature transmission via EnDat® 2.2
Motor type to EN 60034-7	IM B5 IM V1 IM V3
Položaj ugradnje	proizvoljno
Mehanička zaštita	IP21
Note on degree of protection	IP21 for motor shaft without rotary shaft seal IP65 motor shaft with RWDR IP67 for motor housing with connection technology
Concentricity, coaxiality, axial runout to DIN SPEC 42955	N
Balance quality	G 2,5
Detent torque	<1.0% of peak torque
Storage lifetime under nominal conditions	20.000 h
Izvedba vratila sa ravnim klinom	DIN 6885 A 8 x 7 x 36
Interface code, motor out	150A
Electrical connection 1, connection type	Hybrid plugs
Electrical connection 1, connection technology	M40x1
Electrical connection 1, number of pins/wires	15
Stepen zagađenja	2
Materijal - napomena	RoHS komfornost
Klasa korozione otpornosti KBK	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Otpornost na vibracije	prema EN 60068-2-6
Udarna čvrstoća	prema EN 60068-2-29 15 g/11 ms to EN 60068-2-27
Dozvola	RCM Mark c UL us - Recognized (OL)
CE znak (vidi izjavu o usklađenosti)	prema EU-EMV-smernici prema EU-niski napon-smernica 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
Mesto izdavanja sertifikata	TÜV 968/FSP 2317.00/21 UL E342973

Svojstvo	Vrednost
Nazivni pogonski napon DC	680 V
Vrsta spajanja navoja	Zvezda unutrašnja
Number of pole pairs	5
Obrtni moment mirovanja	33 Nm
Nazivni obrtni moment	13,5 Nm
Vršni obrtni moment	60 Nm
Nazivna brzina obrtanja	3.500 1/min
Maks. brzina obrtanja	5.051 1/min
Max. mechanical speed	10.000 1/min
Nazivna snaga motora	4.948 W
Trajna struja mirovanja	24 A
Nazivna struja, motor	10,2 A
Vršna struja	50 A
Motorska konstanta	1,32 Nm/A
Standstill torque constant	1,54 Nm/A
Naponska konstanta, linijska	92,9 mVmin
Otpor navoja faza-faza	0,211 Ohm
Induktivnost navoja faza-faza	3,3 mH
Winding longitudinal inductivity Ld (phase)	1,65 mH
Winding cross inductivity Lq (phase)	1,65 mH
Electric time constant	15,6 ms
Thermal time constant	45 min
Thermal resistance	0,46 K/W
Measuring flange	450 x 450 x 30, steel
Sveukupni moment inercije gonjene strane	46,9 kgcm2
Težina proizvoda	22.200 g
Dozvoljeno aksijalno opterećenje vratila	217 N
Dozvoljeno radijalno opterećenje vratila	1.085 N
Senzor položaja rotora	Safety Enc. absolut multi turn
Rotor position sensor, manufacturer designation	EQI 1331
Rotor position sensor, absolute detectable revolutions	4.096
Interface rotirajućeg enkodera	EnDat 22
Princip određivanja položaja rotirajućim enkoderom	induktivno
Rotor position sensor, DC operating voltage	5 V
Rotor position sensor, DC operating voltage range	3,6 ... 14 V
Rotor position sensor, position values per revolution	524.288
Okidački enkoder rotora	19 Bit
Rotor position sensor, system accuracy of angle measurement	-65 ... 65 arcsec
Moment držanja, kočnica	45 Nm
Pogonski napon DC, kočnica	24 V
Brake current consumption	1,08 A
Primljena snaga, kočnica	26 W
Brake separation time	230 ms
Brake closing time	45 ms
DC brake response delay	6 ms
Max. brake no-load speed	10.000 1/min
Moment inercije kočnice	8,2 kgcm2
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
Safety Integrity Level (SIL), component parts	SIL 2, encoder
Performance Level (PL), component parts	Category 3, Performance Level d, encoder
PFHd, component parts	15 x 10E-9, encoder
Duration of use Tm, component parts	20 years, rotor position encoder
MTTF, subcomponent	190 years, rotor position sensor