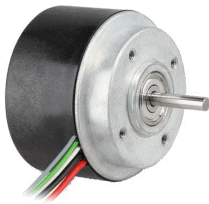


Brushless Motor
EC45FLAT 1Q avec capot



The advantages :
Industrial servo control motor - Integral 1-
quadrant speed regulator electronics - high
overload capacity - Flat format suited to
limited spaces.

Associated products :

- > Power supply
DR-120-24
DRP-240-24
DRP-480S-24
RS-100-24
RS-150-24
SP-320-24
- > Controller
DC 2000 7 pouces
ECC 2100 Automate

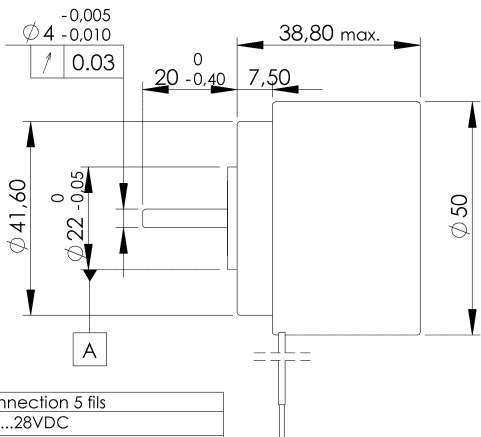
maxon motor

39 W - 87 W

Power supply voltage (Ua)	V	24
Speed at current In	tr/mn	4500
Torque at current In	mNm	82.8
Maximum permanent current In	mA	3450
Ua no-load speed +/- 10%	tr/mn	4500
No-load current +/- 50%	mA	192
Ua stall current	mA	3860
Ua stall torque	mNm	149
Torque constant	mNm/A	33.5
Speed constant	tr/mn/V	285
Speed/torque gradient	tr/mn/mN	8.32
Limit speed	tr/mn	10000
Maximum Ua operating power	W	17.6
Maximum efficiency	%	76
Electromechanical time constant	ms	11.8
Inductance	mH	0.573
Ambient/Housing thermal	K/W	5100
Coil/Housing thermal resistance	K/W	6700
Coil thermal time constant	s	45.1
Housing thermal time constant	s	256
Test voltage	V	24
Ambient temperature	°C	25
Nominal operating power output	W	39.0
Max permanent operating power	W	86.7

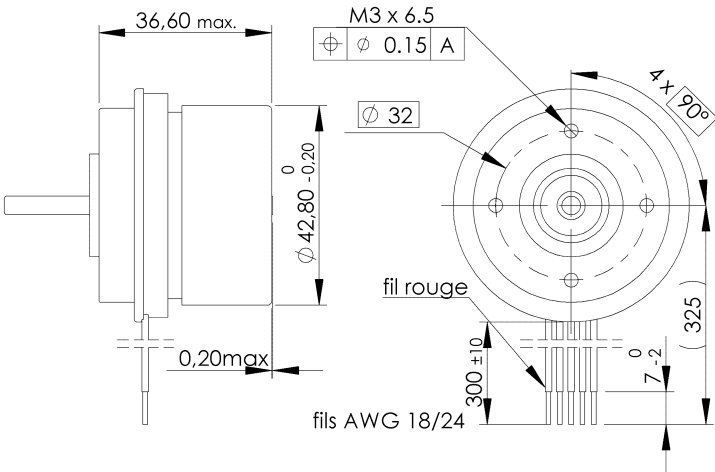
Commutation	Electronique intégré
Number of phases	3
Bearings	Roulements préchargés
Maximum axial load (dynamic)	6.8 N
Minimum axial play	0 mm
Maximum axial play	0.14 mm
Maximum radial load	54 N
at a distance from the face of:	7.5 mm
Radial play	preloaded mm
Maximum slip force (static)	95 N
If fixed rear axis	1000 N
Minimum ambient operating temperature	-40 °C
Maximum ambient operating temperature	+95 °C
Maximum coil temperature	+125 °C
Weight	260 g
Norm	IP40

COM le 25.10.12 : coché internet



Connection 5 fils	
rouge	+Vcc 10 ...28VDC
noir	GND
blanc	Entrée de la consigne vitesse
vert	Monitor n(6 impulsions par tour)
gris	enable ou direction

IP 40



IP 00

Edition:Juli 2022 / subject to modification