EC motor

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Nominal data

Type	**M3G074-BF22-28**	
Motor	**M3G074-BF**	
Nominal voltage	VDC	370
Nominal voltage range	VDC	363 .. 377
Type of data definition		ml/cu
Speed (rpm)	min^{-1}	4600
Power input	W	250
Power output	W	225
Current draw	A	0.7
Rated torque	Ncm	45
Max. ambient temperature	°C	60

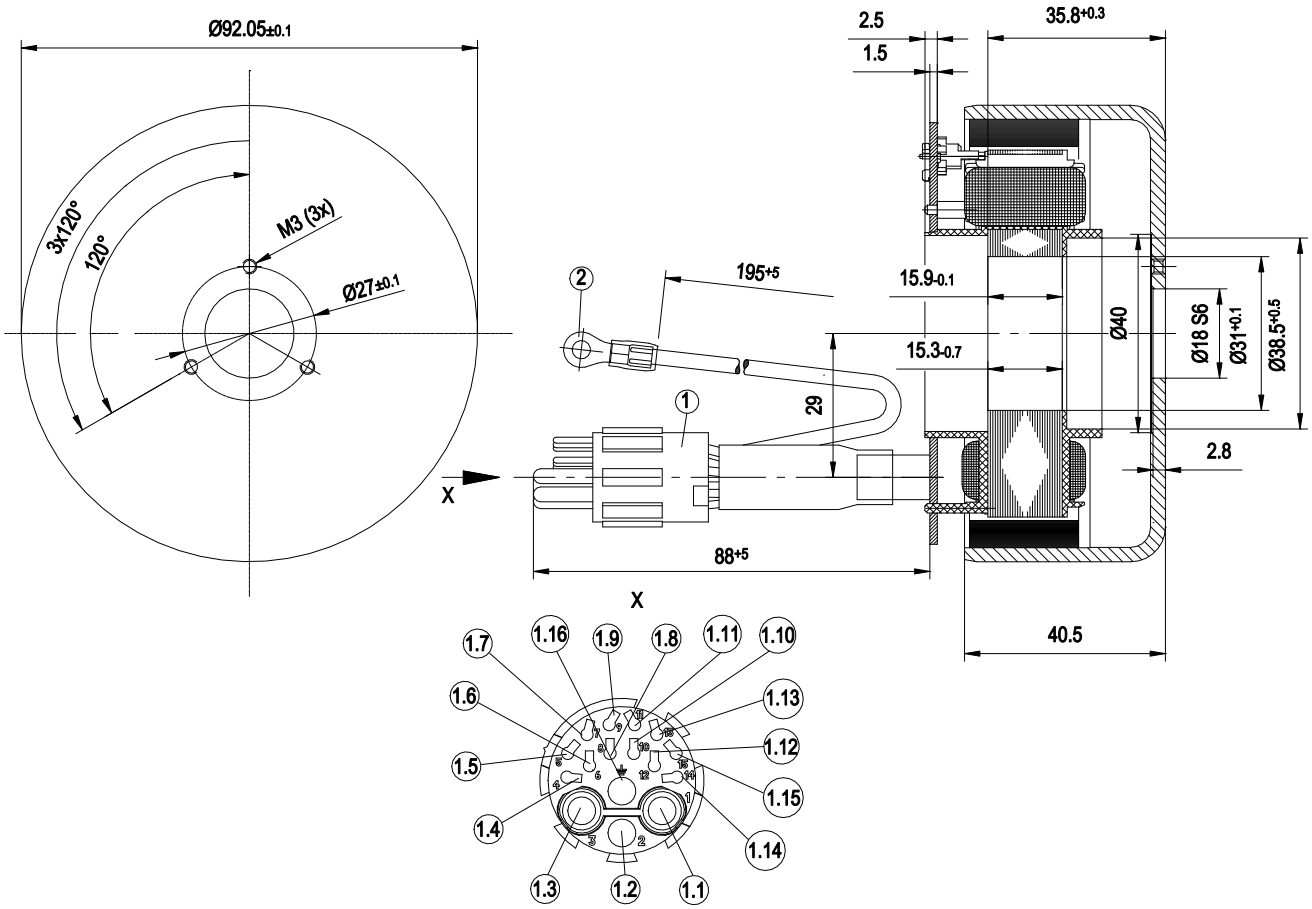
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

Technical features

Mass	0.5 kg
Motor size	74
Surface of rotor	Coated in black
Direction of rotation	Counter-clockwise, seen on rotor
Insulation class	"B"
Humidity (F) / environmental protection class (H)	H0 - dry environment
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensation drainage holes	None
Operation mode	S1
Electrical connection	Plug
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 61800-5-1
Approval	CSA C22.2 no. 100; UL 1004-1

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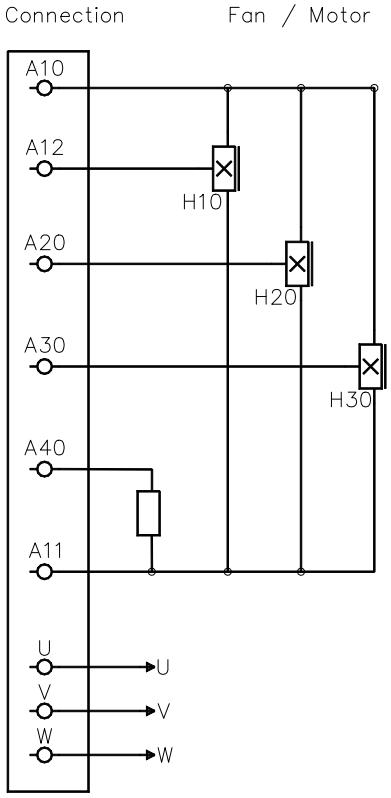
Product drawing



1	Contact insert Amphenol no. C016 E 16041 E1 with number of poles 12 + 3 + PE, 3x plug pin HN 01 016 0002 (1), 5x plug pin HN 01-015-0046-2
1.1	V/Z motor line
1.2	U/Y motor line
1.3	W/X motor line
1.4	not used
1.5	Position indicator 2 (Hall 20)
1.6	not used
1.7	Position indicator 1 (Hall 10)
1.8	not used
1.9	Position indicator 3 (Hall 30)
1.10	not used
1.11	not used
1.12	not used
1.13	+ (10 - 24 V)
1.14	not used
1.15	- (earth)
1.16	PE
2	1x contact stud 3.5x6.4 AMP no. 320 619

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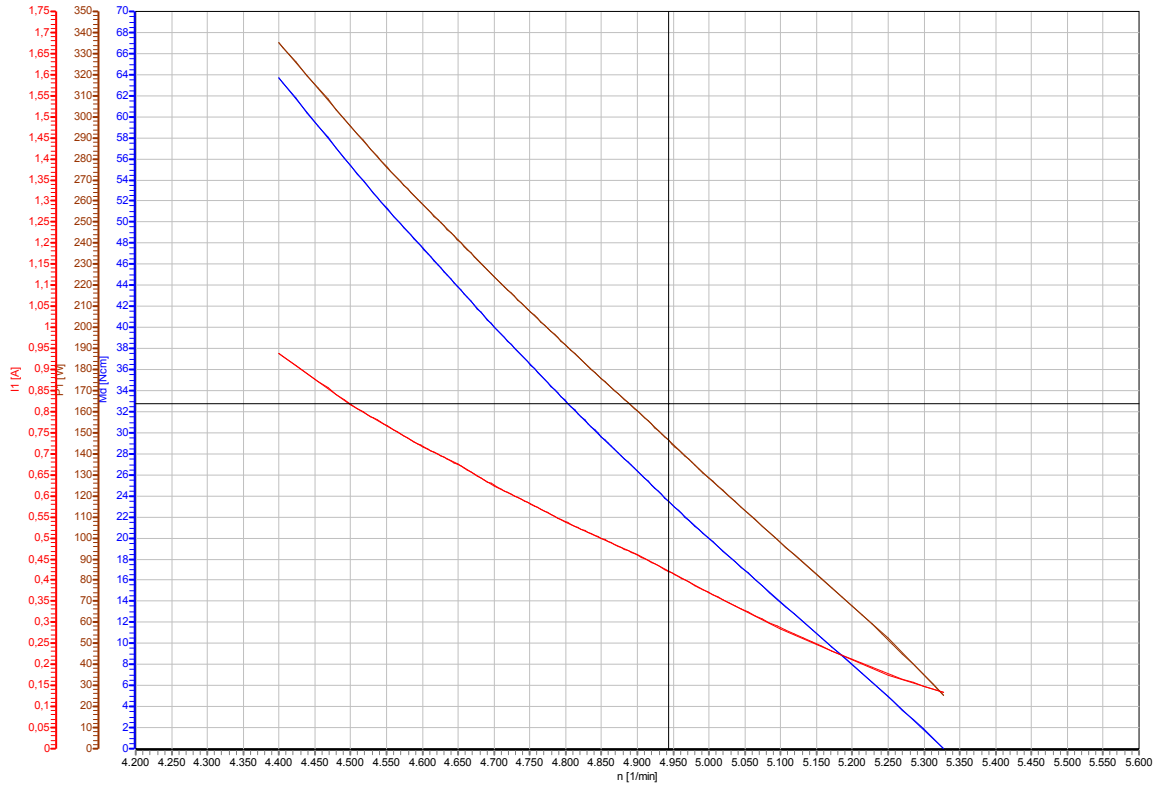
Connection screen



No.	Conn.	Designation	Function / assignment
	A10		Power supply 10-24 V
	A12	Lagegeber 1	Hall signal H10
	A20	Lagegeber 2	Hall signal H20
	A30	Lagegeber 3	Hall signal H30
	A40	-	not used
	A11		GND
	U		Coil connection U
	V		Coil connection V
	W		Coil connection W

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Charts: Speed (rpm)



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