



Callan Technology Ltd is a design and manufacturing company for a wide range of industrial DC servomotors, tachogenerators and components. Callan Technology's industrial motor platform (M4 range) is a family of rare earth permanent magnet DC servomotors:

M4-200X (0.4 – 1.6 Nm),
M4-295X (2.0 – 8.1 Nm)
M4-420X (10.4 – 30 Nm)

All motors are available in a variety of shafts & mounts, connection types, tachogenerator or incremental encoder feedback, parking brake and a variety of other special features.



Callan Technology will exhibit its product range at the SPS/IPC/DRIVES 2010 exhibition in Nuremberg, Germany from 23-25 November 2010. We are located in Hall 2 at stand 173.

We will have many new developments and product enhancements on display and a new technical brochure of M4-200X / M4-295X / M4-420X servomotors will be available.

For further details see:-

<http://www.mesago.de/en/SPS/home.htm>



C4-16X (0.2-0.4 Nm) is a family of compact, 2-pole, rare earth servomotors specifically designed for applications where low cost is important while maintaining ruggedness and performance.

The use of rare earth magnets results in compact motors with superior thermal stability and power/weight ratio compared to conventional ferrite motors.

Callan Technology also manufactures three frame sizes of precision frameless tachogenerators

TGF 1568 (2 pole, KG 3.0 – 14 V/krpm),
TGF 1810 (4 pole, KG 7.0 – 32 V/krpm)
TGF 2030 (4 pole, KG 3.0 – 57 V/krpm)



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Engineered to Order - Case Study

One of our German distributors requested Callan technology to provide a prototype motor for an engineering client company associated with the Indian railway system.

The requirements were very specific:

- custom mount and shaft
- drive shaft coupling specified by customer
- 110W, 2000 rpm, 110 VDC
- low current consumption
- no feedback requirement
- Custom cable requirements

A prototype motor was delivered in the required timeframe and passed the client validation tests

For further details of Callan Technology "Engineered to Order" see

www.callantechnology.com/callan_technology_products/engineered_to_order_products.html



Callan Technology – Distributor Focus



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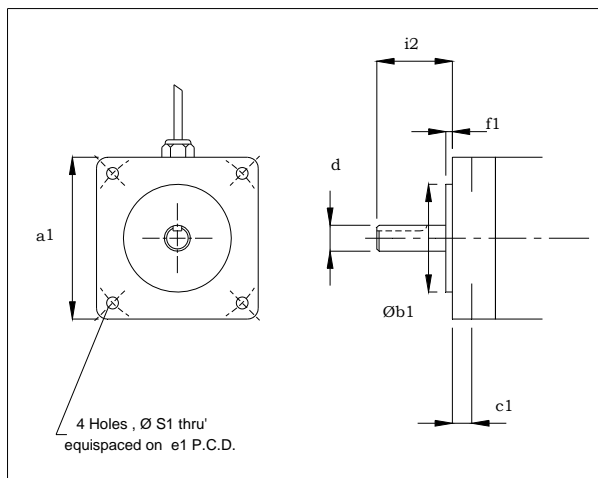


Product Update – DC Servomotor, M4-200X (Ø75mm, 0.4 – 1.6 Nm)

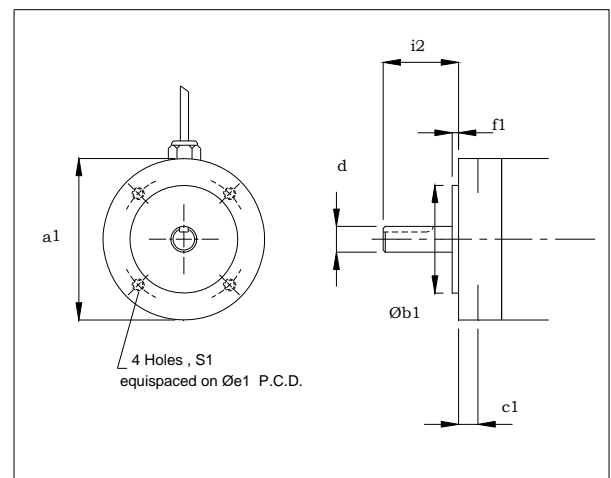
Many customers have requested updated information regarding the possible options for different drive shaft and mount configuration for M4-200X motors. The standard options available on this motor have recently been enhanced. Multiple mount options are now possible, in both IMB5 or “D” Flange form (with free mounting holes accessible from rear of flange) and IMB14 or “C” Face (with blind, threaded mounting holes)



IMB5 mount (“D” Flange)



IMB14 mount (“C” Face)



M4-200 X X - 1 1 0 Y 1 - 0 0 0

Shaft Mount

	Mount Type	a1	e1	S1	b1	f1	c1	d	i2	keyway
M4-200X-00000-000	IMB5	75	85	Ø 5.5	50g6	3.0	10	12g6	35	4x4x20
M4-200X-10000-000	IMB14	75	60	M5x10	50g6	3.0	---	12g6	35	4x4x20
M4-200X-22000-000	IMB5	76	90	Ø 5.5	70h7	3.0	9	14h6	30	5x5x20
M4-200X-33000-000	IMB14	3"	2.5"	#8-32	1.5"	.12"	---	0.5"	1.0"	3/16 x 3/16
M4-200X-43000-000	IMB5	3.25"	3.875"	Ø .22"	2.875"	.10"	.33"	0.5"	1.0"	3/16 x 3/16
M4-200X-50000-000	IMB14	76	65	M5x10	50h6	3.0	---	12g6	35	4x4x20

The options above include DIN IEC, JIS and Nema 34 standard mounts. Requests for custom drive end shafts and mount configurations are always welcome.



Callan Technology wins National Enterprise Award.



Joe O'Donovan and Paul O'Beirne of Callan Technology Ltd. who collected the overall title from Michael Tunney, chair of the Network of County and City Enterprise Boards.

Callan Technology was recently announced as the winner of the Irish National Enterprise Awards. The competition is organised by the Irish County & City Enterprise Boards and aims to promote enterprise in the small business sector. Speaking at the award ceremony in Dublin Castle, the Irish Minister for Trade & Commerce, Billy Kelleher said "This is a fantastic celebration of entrepreneurs and entrepreneurship at a time when businesses are under extreme pressure and indeed at a time when many people are anxious and uncertain about the current economic climate". Michael Tunney, Chair of the Network of County & City Enterprise Boards, said the finalists were judged on "Business Plan", "Marketing Strength", "Financial Strength", "Use of Technology & Innovation" as well as "the Entrepreneurial Skills of the Promoter".

AfterMarket Focus

Motor: **M4-2953-5B-3529**
Originally used on:- Mikron (Machine Tool)
Body Diameter:- 108 mm
Length:- 370 mm
Shaft:- Ø .75" with oil-seal
Mount :- IMB5 (118 Sq.)
Junction Box for Power & Tach
Tachogenerator:- 12.5 V/krpm
Brake :- 24V, 8Nm (power to release)

