

Motor-integrated drive system

Distributed servo drive IndraDrive Mi - KSM



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Documentation

**Benefits:**

- Reduction of the cabinet size by up to 70 %
- Reduction of wiring work by up to 85 %
- Machines/systems are significantly more flexible and modular

With KSM, the motor-integrated drive series of IndraDrive Mi, Rexroth introduces another milestone in drive technology – electronic control system and servo motor combined in one ultra-compact unit.

This makes IndraDrive Mi the ideal solution for all applications where maximum flexibility and economic efficiency are needed in a minimum space.

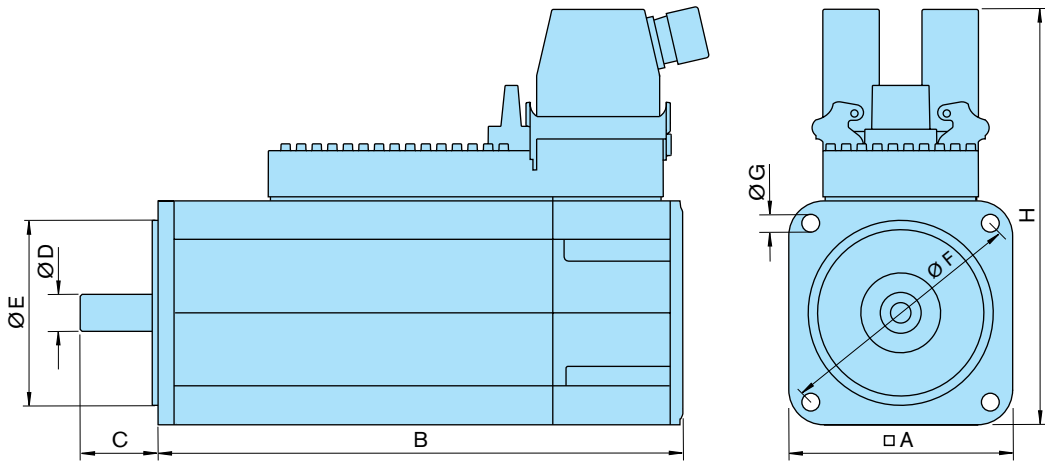
In addition to its compact design, KSM combines the best characteristics of IndraDrive drives and MSK servo motors – from the drive-integrated PLC according to IEC 61131-3 up to protection class IP65.

Technical data**Electrical data**

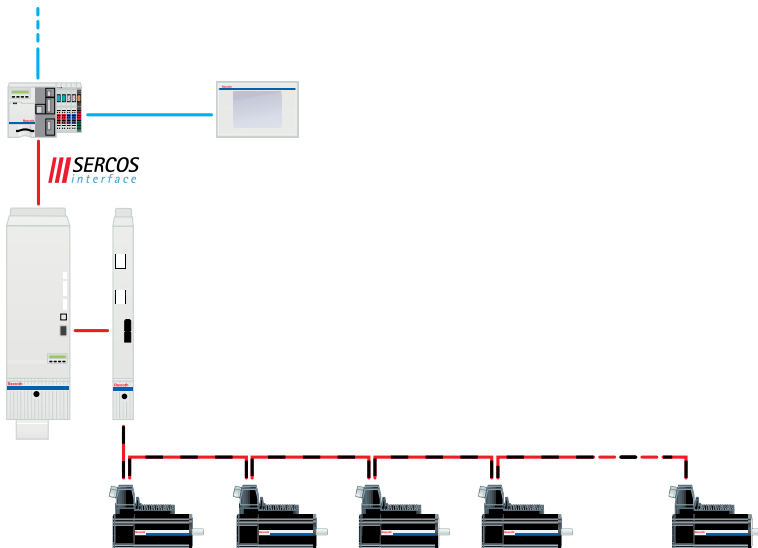
Type	Maximum speed	Torque at standstill	Maximum torque	Continuous current at standstill	Maximum current	Moment of inertia
	n_{Max}	M_0	M_{Max}	I_0	I_{Max}	J
	[1/min]	[Nm]	[Nm]	[A]	[A]	[kgm ²]
KSM01.2B-041C-42	5500	2.2	9.4	1.5	6.8	0.00017
KSM01.2B-061C-35	4300	6	25	3.3	14.9	0.00087
KSM01.2B-061C-61	6000	5.5	18	5.2	17.7	
KSM01.2B-071C-24	3400	10.5	35	4.6		0.00173
KSM01.2B-071C-35	4700	10	28	6		
KSM01.2B-076C-35		8.7	29	5.2	0.0043	

Dimensions

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Type	A	B	C	Ø D	Ø E	Ø F	Ø G	H	Mass
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
KSM01.2B-041C-42	82	252	30	14	50	95	6.6	201	5.5
KSM01.2B-061C-35	115	271	40	19	95	130	9	216	9.5
KSM01.2B-061C-61									
KSM01.2B-071C-24	140	307	58	32	130	165	11	248	14
KSM01.2B-071C-35									14.5
KSM01.2B-076C-35									290

Components

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Servo Drives

Description	Page	Details
Converters	IndraDrive C	HCS02
Converters	IndraDrive C	HCS03
Modular system	Power supplies	IndraDrive M - H MV
Motor-integrated drive system	Distributed drive controller	IndraDrive Mi - KMS
Motor-integrated drive system	Electronic control system	IndraDrive Mi - KCU

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It must be remembered that our products are subject to a natural process of wear and aging.