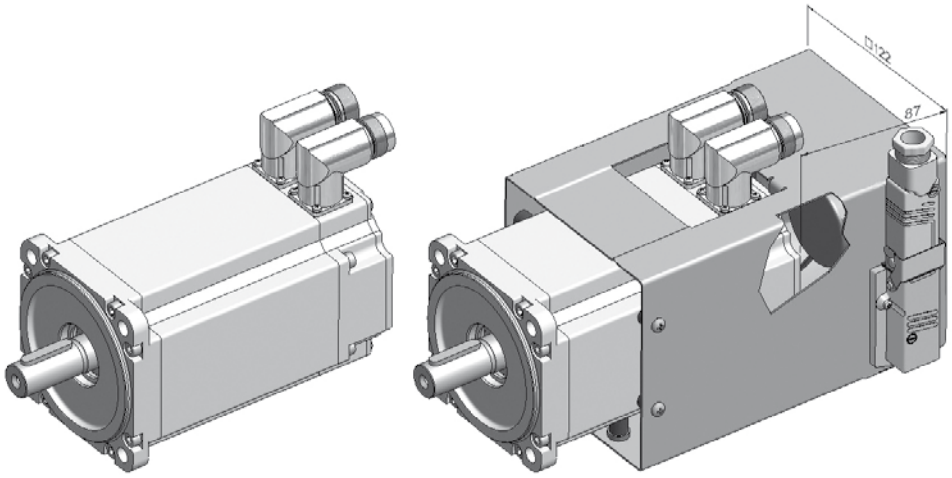
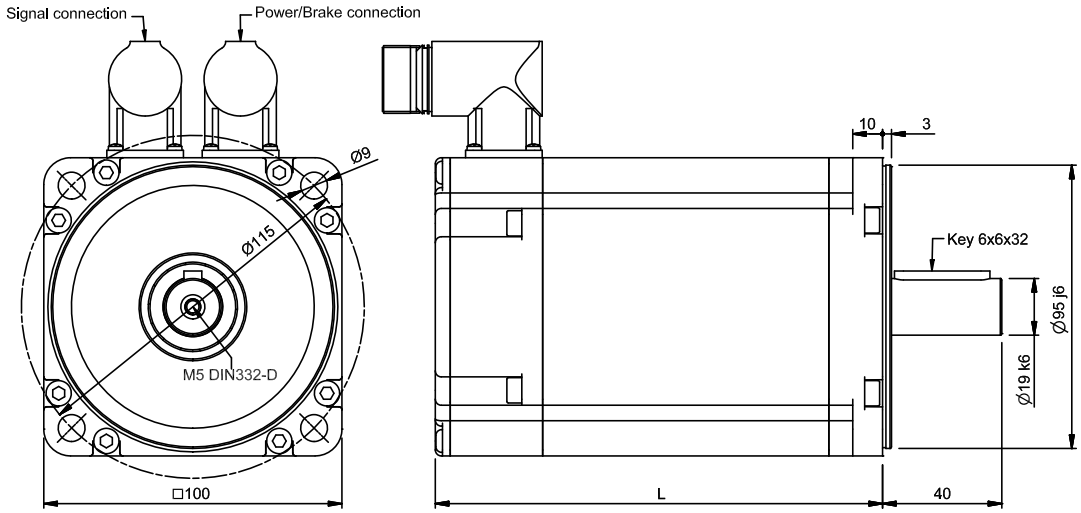
FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (L) Without brake	Length with RESOLVER (L) With brake	Maximum Length with ENCODER (L) Without brake	Maximum Length with ENCODER (L) With brake	Weight Kg Without brake	Weight Kg With brake
B63.04Q	4	150	182	161	193	4.7	5.6
B63.06Q	6	170	202	181	213	5.3	6.1
B63.08Q	8	194	226	205	237	6.2	7.1
B63.10Q	10	214	246	225	257	7.2	8.1

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	7.5	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	32	Ohm
Electrical Power	Pbr	18	W
Current	Ibr	0.75	Adc
Additional* Rotor Inertia	Jbr	0.54	kgcm2
Opening (release) time	to max	40	ms
Closing (fall in) time	tc max	25	ms
Additional* Motor weight	mbr	0.46	kg

* Additional values are related to the motor data when the brake is mounted to the motor of the respective size, these values differ from the brake data in unmounted condition!

TYPE B63Q - 8 POLES

FOR MAINS VOLTAGE
400 V

Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1} - Self Cooled																	
B63.04Q	4	3000	1.1	3.50	12	9000	1.87	64171	25	140	0.94	1.63	5.40	36.5	296	2.5	2.1
B63.06Q	6	3000	1.6	5.25	18	9000	2.67	67416	30	140	0.94	1.63	3.50	24.0	296	3.7	3.2
B63.08Q	8	3000	2.4	7.50	24	9000	3.47	69164	30	140	0.94	1.63	2.50	21.8	296	4.9	4.6
B63.10Q	10	3000	2.7	8.75	30	9000	4.27	70258	35	140	0.94	1.63	1.90	17.4	296	6.1	5.4
4500 min^{-1} - Self Cooled																	
B63.04Q	4	4500	1.5	3.10	12	9000	1.87	64171	25	140	0.63	1.09	2.40	16.5	296	3.7	2.9
B63.06Q	6	4500	2.2	4.65	18	9000	2.67	67416	30	140	0.63	1.09	1.50	10.8	296	5.5	4.3
B63.08Q	8	4500	2.9	6.20	24	9000	3.47	69164	30	140	0.63	1.09	1.10	9.70	296	7.4	5.7
B63.10Q	10	4500	3.6	7.70	30	9000	4.27	70258	35	140	0.63	1.09	0.90	7.80	296	9.2	7.1
6000 min - Self Cooled																	
B63.04Q	4	6000	1.5	2.40	12	9000	1.87	64171	25	140	0.47	0.81	1.35	9.13	296	4.9	2.9
B63.06Q	6	6000	2.3	3.60	18	9000	2.67	67416	30	140	0.47	0.81	0.88	6.00	296	7.4	4.4
B63.08Q	8	6000	3.0	4.80	24	9000	3.47	69164	30	140	0.47	0.81	0.63	5.45	296	9.8	5.9
B63.10Q	10	6000	3.8	6.00	30	9000	4.27	70258	35	140	0.47	0.81	0.48	4.35	296	12.3	7.4

Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1} - Air Cooled																	
B63.04Q	4.8	3000	1.4	4.4	12	9000	1.87	64171	25	140	0.94	1.63	5.40	36.5	296	2.9	2.7
B63.06Q	7.4	3000	2.1	6.8	18	9000	2.67	67416	30	140	0.94	1.63	3.50	24.0	296	4.5	4.2
B63.08Q	10.1	3000	2.9	9.4	24	9000	3.47	69164	30	140	0.94	1.63	2.50	21.8	296	6.2	5.8
B63.10Q	13.0	3000	3.7	11.8	30	9000	4.27	70258	35	140	0.94	1.63	1.90	17.4	296	8.0	7.2
4500 min^{-1} - Air Cooled																	
B63.04Q	4.8	4500	1.9	4.0	12	9000	1.87	64171	25	140	0.63	1.09	2.40	16.5	296	4.4	3.7
B63.06Q	7.4	4500	2.9	6.2	18	9000	2.67	67416	30	140	0.63	1.09	1.50	10.8	296	6.8	5.7
B63.08Q	10.1	4500	4.0	8.4	24	9000	3.47	69164	30	140	0.63	1.09	1.10	9.70	296	9.3	7.8
B63.10Q	13.0	4500	5.0	10.7	30	9000	4.27	70258	35	140	0.63	1.09	0.90	7.80	296	12.0	9.8
6000 min^{-1} - Air Cooled																	
B63.04Q	4.8	6000	2.1	3.3	12	9000	1.87	64171	25	140	0.47	0.81	1.35	9.13	296	5.9	4.0
B63.06Q	7.4	6000	3.1	5.0	18	9000	2.67	67416	30	140	0.47	0.81	0.88	6.00	296	9.1	6.1
B63.08Q	10.1	6000	4.3	6.8	24	9000	3.47	69164	30	140	0.47	0.81	0.63	5.45	296	12.4	8.4
B63.10Q	13.0	6000	5.5	8.7	30	9000	4.27	70258	35	140	0.47	0.81	0.48	4.35	296	16.0	10.7