

13 Technical data and dimension sheets for MOVIMOT®

13.1 Available MOVIMOT® motor combinations

13.1.1 Motor identification for MOVIMOT® (/MI)

Each MOVIMOT® contains a drive ID module for easy and fast startup. The drive ID module is included in the delivery of the MOVIMOT® motor or MOVIMOT® gearmotor.

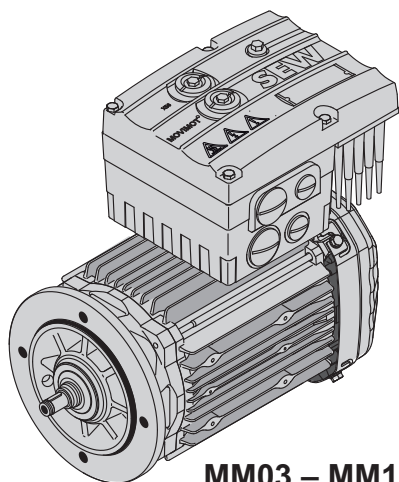
When a DR.. motor/brakemotor is ordered without MOVIMOT® inverter, a drive ID module suitable for the energy efficiency class can be included in the delivery. The drive ID module is attached in the standard terminal box of the DR. motor or DR...BE brakemotor. On the type designation of the DR.. motor/brakemotor, the drive ID module is indicated by /MI.

Assignment of the drive ID module

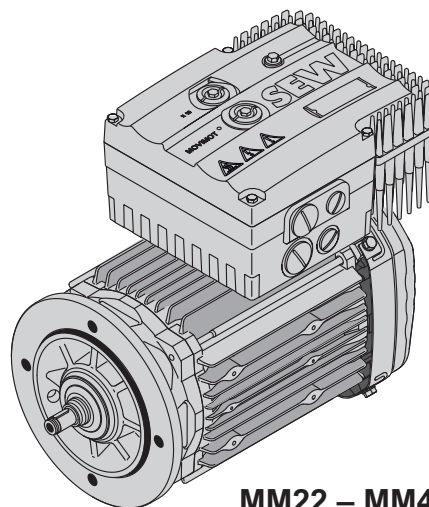
Type	Motor		Drive ID module		
	Line voltage [V]	Line frequency [Hz]	Identification	ID color	Part number
DRS	230/400	50	DRS/400/50	White	18214371
DRE	230/400	50	DRE/400/50	Orange	18214398
DRS	266/460	60	DRS/460/60 ¹⁾	Yellow	18214401
DRE	266/460	60	DRE/460/60 ¹⁾	Green	18214428
DRS/DRE	220/380	60	DRS/DRE/380/60 ¹⁾	Red	18234933
DRS/DRE	220 – 240/380 – 415	50	DRS/DRE/50/60	Purple	18214444
	254 – 277/440 – 480	60			
DRE...J	230/400	50	DRE...J/400/50	Orange	28203816
DRU...J	230/400	50	DRU...J/400/50	Gray	28203194
DRN	230/400	50	DRN/400/50	Blue green	28222040
DRN	266/460	60	DRN/460/60	Blue/green striped	28222059
DRS/DRN	220 – 230/380 – 400	50	DRS/DRN/50/60	Light green	28222067
	266/460	60			

1) This drive ID module can also be combined with MOVIMOT® MM..D-233.

13.1.2 MOVIMOT® drives with DRN.. motors



MM03 – MM15



MM22 – MM40

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 280 – 1400 min⁻¹ ∩ 3 x 380 – 500 V (400 V, 50 Hz)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRN80M4/.../MM07	0.75	5.1	1.5	1400	1.9	0.99	24.7	26.2	10	15.6	19.6
DRN90S4/.../MM11	1.1	7.5	1.5	1400	2.4	0.99	54.0	58.7	20	21.6	25.6
DRN90L4/.../MM15	1.5	10.2	1.5	1400	3.5	0.99	67.2	71.9	20	24.6	28.6
DRN100LS4/.../MM22	2.2	15.0	1.5	1400	5.0	0.99	81.4	87.4	28	29.3	35.3
DRN100L4/.../MM30	3.0	20.5	1.5	1400	6.7	0.99	112	118	40	36.3	42.3
DRN112M4/.../MM40	4.0	27.3	1.5	1400	7.3	0.99	178	183	55	48.2	55.2

 290 – 2900 min⁻¹ △ 3 x 380 – 500 V (400 V, 50 Hz)

IEC or UL

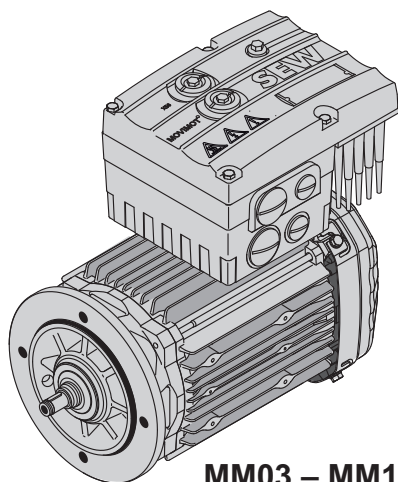
Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRN80M4/.../MM11	1.1	3.62	1.5	2900	2.4	0.99	24.7	26.2	10	15.6	19.6
DRN90S4/.../MM15	1.5	4.95	1.5	2900	3.5	0.99	54.0	58.7	20	21.6	25.6
DRN90L4/.../MM22	2.2	7.25	1.5	2900	5.0	0.99	67.2	71.9	20	25.3	29.3
DRN100LS4/.../MM30	3.0	9.9	1.5	2900	6.7	0.99	81.4	87.4	28	29.3	35.3
DRN100L4/.../MM40	4.0	13.2	1.5	2900	7.3	0.99	112	118	40	37.2	43.2

1) Mass of motor without brake

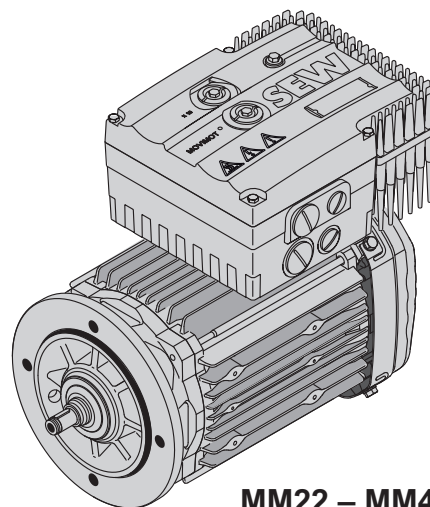
2) Mass of motor with brake

Thermal class F as standard

13.1.3 MOVIMOT® drives with DRN.. motors and increased short-term torque



MM03 – MM15



MM22 – MM40

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280 – 1400 min⁻¹ ∩ 3 x 380 – 500 V (400 V, 50 Hz)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRN80M4/.../MM11	1.1	5.1	2.1	1400	1.9	0.99	24.7	26.2	10	15.6	19.6
DRN90S4/.../MM15	1.5	7.5	2.1	1400	2.4	0.99	54.0	58.7	20	21.6	25.6
DRN90L4/.../MM22	2.2	10.2	2.1	1400	3.5	0.99	67.2	71.9	20	25.3	29.3
DRN100LS4/.../MM30	3.0	15.0	2.1	1400	5.0	0.99	81.4	87.4	28	29.3	35.3
DRN100L4/.../MM40	4.0	20.5	2.1	1400	6.7	0.99	112	118	40	37.2	42.3

290 – 2900 min⁻¹ △ 3 x 380 – 500 V (400 V, 50 Hz)

IEC or UL

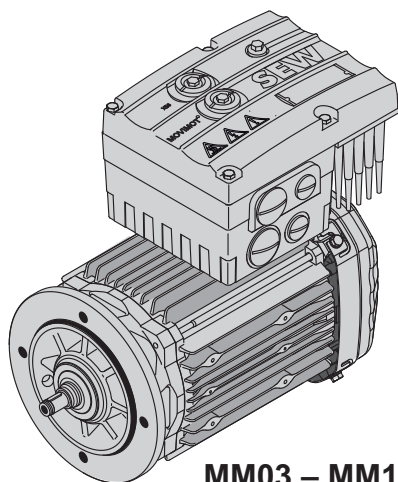
Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRN80M4/.../MM15	1.1	3.62	2.1	2900	2.4	0.99	24.7	26.2	10	15.6	19.6
DRN90S4/.../MM22	1.5	4.95	2.1	2900	3.5	0.99	54.0	58.7	20	22.3	26.3
DRN90L4/.../MM30	2.2	7.25	2.1	2900	5.0	0.99	67.2	71.9	20	25.3	29.3
DRN100LS4/.../MM40	3.0	9.9	2.1	2900	6.7	0.99	81.4	87.4	28	30.2	36.2

1) Mass of motor without brake

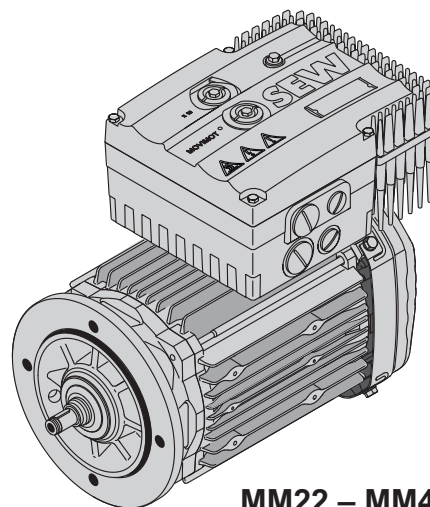
2) Mass of motor with brake

Thermal class F as standard

13.1.4 MOVIMOT® drives with DRE.. motors



MM03 – MM15



MM22 – MM40

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 280 – 1400 min⁻¹ Δ 3 x 380 – 500 V (400 V)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRE80S4 /../MM03	0.37	2.52	1.5	1400	1.3	0.99	14.9	16.4	5	12.7	15.7
DRE80M4 /../MM05	0.55	3.75	1.5	1400	1.6	0.99	21.5	23	10	15.5	18.5
DRE80M4 /../MM07	0.75	5.1	1.5	1400	1.9	0.99	21.5	23	10	15.5	18.5
DRE90M4 /../MM11	1.1	7.5	1.5	1400	2.4	0.99	35.5	40	20	19.6	24.2
DRE90L4 /../MM15	1.5	10.2	1.5	1400	3.5	0.99	43.5	48.5	20	22.6	27.2
DRE100M4 /../MM22	2.2	15	1.5	1400	5.0	0.99	56	62	28	28.3	34.2
DRE100LC4 /../MM30	3.0	20.5	1.5	1400	6.7	0.99	90	96	40	33.5	39.4
DRE132S4 /../MM40	4.0	27.3	1.5	1400	7.3	0.99	190	195	55	49.2	56.4

 290 – 2900 min⁻¹ Δ 3 x 380 – 500 V (400 V)

IEC or UL

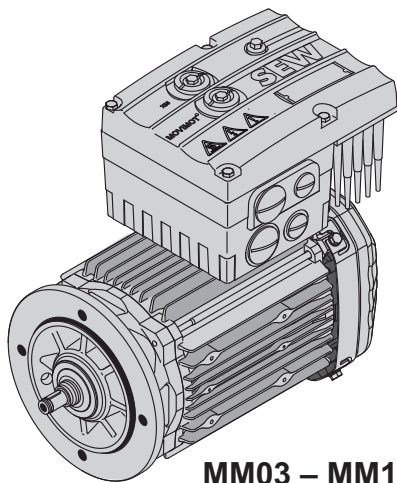
Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRE80S4 /../MM03	0.37	1.22	1.5	2900	1.3	0.99	14.9	16.4	5	12.7	15.7
DRE80S4 /../MM05	0.55	1.81	1.5	2900	1.6	0.99	14.9	16.4	5	12.7	15.7
DRE80M4 /../MM07	0.75	2.47	1.5	2900	1.9	0.99	21.5	23	10	15.5	18.5
DRE80M4 /../MM11	1.1	3.62	1.5	2900	2.4	0.99	21.5	23	10	15.5	18.5
DRE90M4 /../MM15	1.5	4.95	1.6	2900	3.5	0.99	35.5	40	20	19.6	24.2
DRE90L4 /../MM22	2.2	7.25	1.6	2900	5.0	0.99	43.5	48.5	20	23.7	28.2
DRE100M4 /../MM30	3.0	9.9	1.6	2900	6.7	0.99	56	62	28	28.3	34.2
DRE100LC4 /../MM40	4.0	13.2	1.6	2900	7.3	0.99	90	96	40	34.1	40.0

1) Mass of motor without brake

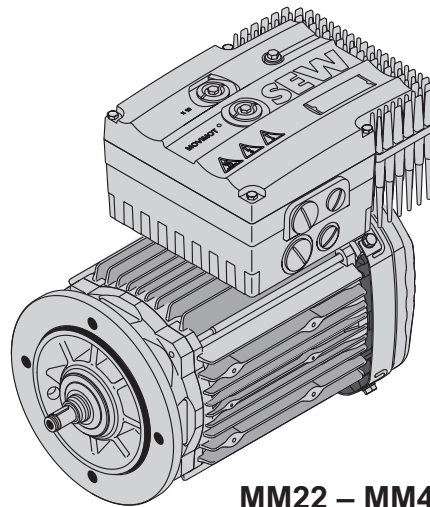
2) Mass of motor with brake

Thermal class F as standard

13.1.5 MOVIMOT® drives with DRE.. motors and increased short-term torque



MM03 – MM15



MM22 – MM40

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280 – 1400 min⁻¹ ∩ 3 x 380 – 500 V (400 V)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRE80S4 /.../MM05	0.37	2.52	2.1	1400	1.3	0.99	14.9	16.4	5	12.7	15.7
DRE80M4 /.../MM07	0.55	3.75	2.1	1400	1.6	0.99	21.5	23	10	15.5	18.5
DRE80M4 /.../MM11	0.75	5.1	2.1	1400	1.9	0.99	21.5	23	10	15.5	18.5
DRE90M4 /.../MM15	1.1	7.5	2.1	1400	2.4	0.99	35.5	40	20	19.6	24.2
DRE90L4 /.../MM22	1.5	10.2	2.1	1400	3.5	0.99	43.5	48.5	20	23.7	28.3
DRE100M4 /.../MM30	2.2	15.0	2.1	1400	5.0	0.99	56	62	28	28.3	34.2
DRE100LC4 /.../MM40	3.0	20.5	2.1	1400	6.7	0.99	90	96	40	34.1	40.0

290 – 2900 min⁻¹ △ 3 x 380 – 500 V (400 V)

IEC or UL

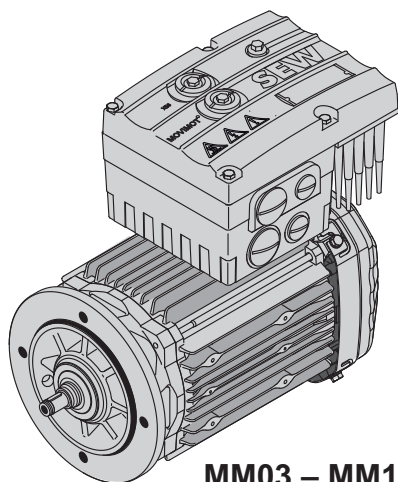
Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRE80S4 /.../MM05	0.37	1.22	2.2	2900	1.3	0.99	14.9	16.4	5	12.7	15.7
DRE80S4 /.../MM07	0.55	1.81	2.2	2900	1.6	0.99	14.9	16.4	5	12.7	15.7
DRE80M4 /.../MM11	0.75	2.47	2.2	2900	1.9	0.99	21.5	23	10	15.5	18.5
DRE80M4 /.../MM15	1.1	3.62	2.2	2900	2.4	0.99	21.5	23	10	15.5	18.5
DRE90M4 /.../MM22	1.5	4.95	2.2	2900	3.5	0.99	35.5	40	20	20.7	25.3
DRE90L4 /.../MM30	2.2	7.25	2.2	2900	5.0	0.99	43.5	48.5	20	23.7	28.3
DRE100M4 /.../MM40	3.0	9.9	2.2	2900	6.7	0.99	56	62	28	28.9	34.8

1) Mass of motor without brake

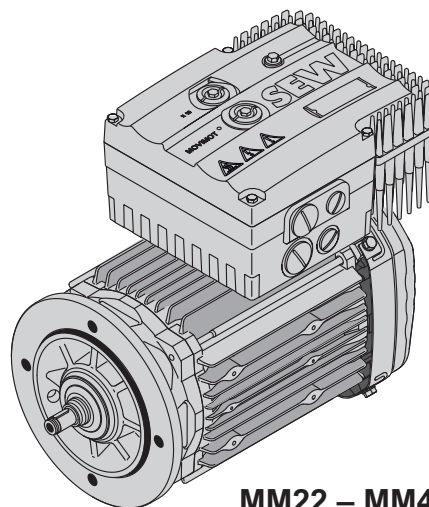
2) Mass of motor with brake

Thermal class F as standard

13.1.6 MOVIMOT® drives with DRS.. motors



MM03 – MM15



MM22 – MM40

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 280 – 1400 min⁻¹ ∩ 3 x 380 – 500 V (400 V)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRS71S4 /../MM03	0.37	2.52	1.5	1400	1.3	0.99	4.9	6.2	5	9.0	11.4
DRS71M4 /../MM05	0.55	3.75	1.5	1400	1.6	0.99	7.1	8.4	10	10.3	12.9
DRS80S4 /../MM07	0.75	5.1	1.5	1400	1.9	0.99	14.9	16.4	10	12.7	15.7
DRS80M4 /../MM11	1.1	7.5	1.5	1400	2.4	0.99	21.5	26	14	15.5	19.2
DRS90M4 /../MM15	1.5	10.2	1.5	1400	3.5	0.99	35.5	40	20	19.6	24.2
DRS90L4 /../MM22	2.2	15.0	1.5	1400	5.0	0.99	43.5	49.5	40	23.7	29.6
DRS100M4 /../MM30	3.0	20.5	1.5	1400	6.7	0.99	56	62	40	28.3	34.2
DRS100LC4 /../MM40	4.0	27.3	1.5	1400	7.3	0.99	90	96	50	34.1	40.0

 290 – 2900 min⁻¹ Δ 3 x 380 – 500 V (400 V)

IEC or UL

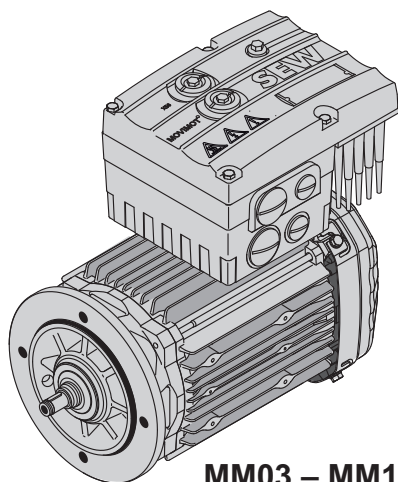
Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ¹⁾ [kg]	m ²⁾ [kg]
							Without brake	With brake			
DRS71S4 /../MM05	0.55	1.81	2.0	2900	1.6	0.99	4.9	6.2	5	9.0	11.4
DRS71M4 /../MM07	0.75	2.47	2.0	2900	1.9	0.99	7.1	8.4	10	10.3	12.9
DRS80S4 /../MM11	1.1	3.62	2.0	2900	2.4	0.99	14.9	16.4	10	12.7	15.7
DRS80M4 /../MM15	1.5	4.95	1.6	2900	3.5	0.99	21.5	26	14	15.5	19.2
DRS90M4 /../MM22	2.2	7.25	1.6	2900	5.0	0.99	35.5	40	20	20.7	25.3
DRS90L4 /../MM30	3.0	9.9	1.6	2900	6.7	0.99	43.5	49.5	40	23.7	29.6
DRS100M4 /../MM40	4.0	13.2	1.6	2900	7.3	0.99	56	62	40	28.9	34.8

1) Mass of motor without brake

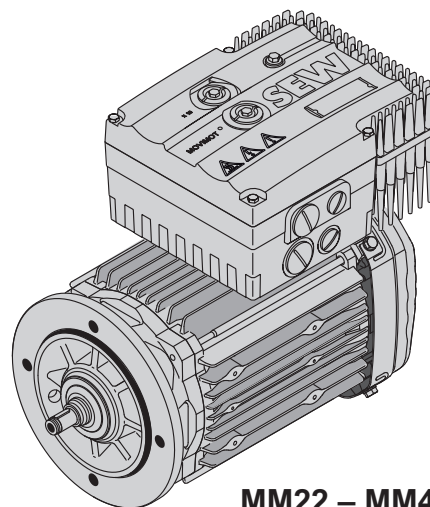
2) Mass of motor with brake

Thermal class F as standard

13.1.7 MOVIMOT® drives with DRS.. motors and increased short-term torque



MM03 – MM15



MM22 – MM40

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280 – 1400 min⁻¹ ∩ 3 x 380 – 500 V (400 V)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ²⁾ [kg]	m ³⁾ [kg]
							Without brake	With brake			
DRS71S4 /../MM05	0.37	2.52	2.1	1400	1.3	0.99	4.9	6.2	5	9.0	11.4
DRS71M4 /../MM07	0.55	3.75	2.1	1400	1.6	0.99	7.1	8.4	10	10.3	12.9
DRS80S4 /../MM11	0.75	5.1	2.1	1400	1.9	0.99	14.9	16.4	10	12.7	15.7
DRS80M4 /../MM15	1.1	7.5	2.1	1400	2.4	0.99	21.5	26	14	15.5	19.2
DRS90M4 /../MM22	1.5	10.2	2.1	1400	3.5	0.99	35.5	40	20	20.7	25.3
DRS90L4 /../MM30	2.2	15.0	2.1	1400	5.0	0.99	43.5	49.5	40	23.7	29.6
DRS100M4 /../MM40	3.0	20.5	2.0	1400	6.7	0.99	56	62	40	28.9	34.8

290 – 2900 min⁻¹ △ 3 x 380 – 500 V (400 V)

IEC or UL

Type	P _n [kW]	M _n [Nm]	M _a /M _n ¹⁾ f > 5 Hz	n _n [min ⁻¹]	I _{n1} [A]	cosφ	J _{mot} [10 ⁻⁴ kgm ²]		M _{Bmax} [Nm]	m ²⁾ [kg]	m ³⁾ [kg]
							Without brake	With brake			
DRS71S4 /../MM07	0.55	1.81	2.4	2900	1.6	0.99	4.9	6.2	5	9.0	11.4
DRS71M4 /../MM11	0.75	2.47	2.4	2900	1.9	0.99	7.1	8.4	10	10.3	12.9
DRS80S4 /../MM15	1.1	3.62	2.4	2900	2.4	0.99	14.9	16.4	10	12.7	15.7
DRS80M4 /../MM22	1.5	4.95	2.2	2900	3.5	0.99	21.5	26	14	16.6	20.3
DRS90M4 /../MM30	2.2	7.25	2.2	2900	5.0	0.99	35.5	40	20	20.7	25.3
DRS90L4 /../MM40	3.0	9.9	2.0	2900	6.7	0.99	43.5	49.5	40	24.3	30.2

1) Increased short-term torque in S3 operation, 25 % cdf

2) Mass of motor without brake

3) Mass of motor with brake

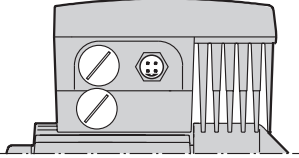
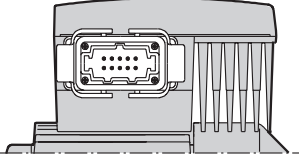
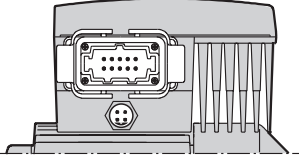
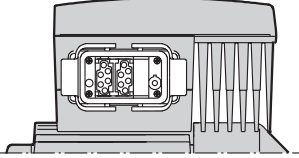
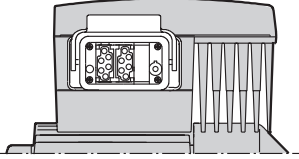
Thermal class F as standard

13.2 Connection technology

13.2.1 Overview of MOVIMOT® standard design connection technology

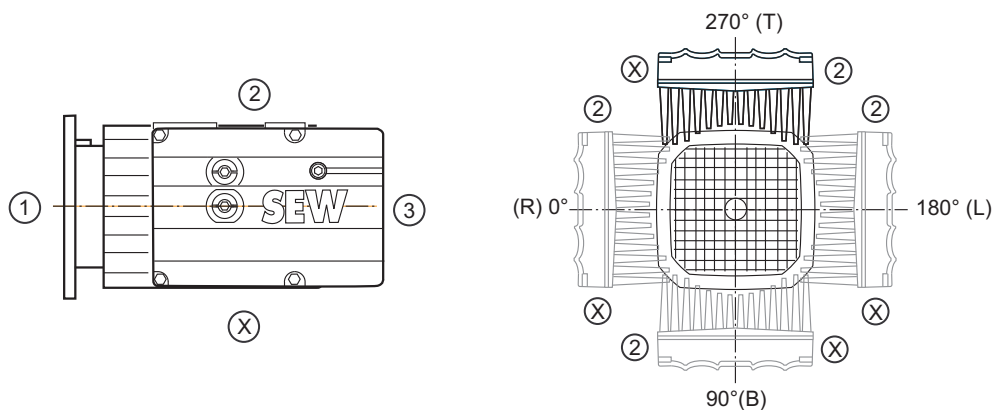
MOVIMOT® MM..D is supplied without plug connector if not specified otherwise in the order.

The following table shows the available plug connector variants:

Order designation	Function	Manufacturer's designation
MM../AVT1 	RS485	Round plug connector M12 x 1
MM../ASA3 	Power rating	Harting Han® 10 ES pin insert (built-on housing with 2 clips)
MM../ASA3/AVT1 	- Power rating - RS485	Harting Han® 10 ES pin insert (built-on housing with 2 clips) + Round plug connector M12 x 1
MM../AMA6 	Power/RS485	Harting HAN Modular® pin insert (built-on housing with 2 clips)
MM../AMD6 	Power/RS485	Harting HAN® Modular pin insert (built-on housing with 1 clip)

Possible plug connector positions (MOVIMOT® standard design)

The following positions are possible for plug connectors:

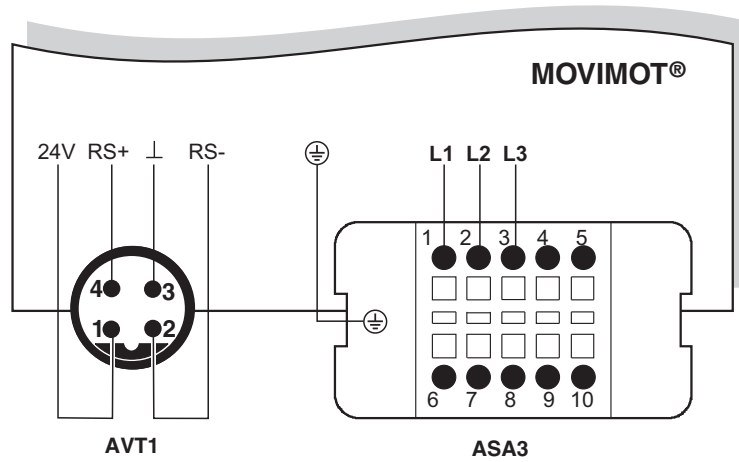


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Plug connector	Possible positions
AVT1	X (standard)
	2
ASA3	X (standard)
	2
ASA3/AVT1	ASA3 = X (standard) + AVT1 = X (standard)
	ASA3 = 2 + AVT1 = 2
AMA6	X (standard)
AMD6	2

Plug connector assignment

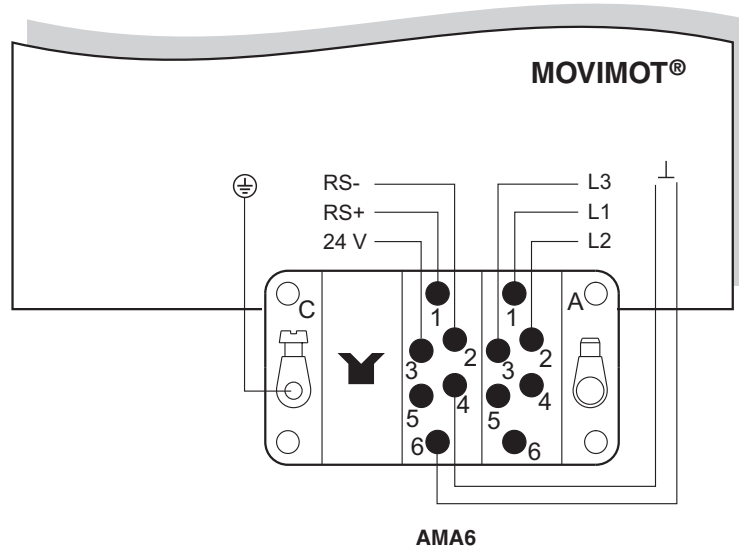
AVT1, ASA3 plug connectors:



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13

AMA6, AMD6 plug connectors:

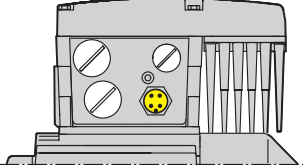
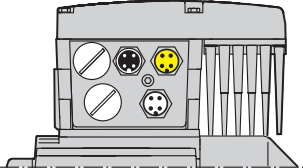
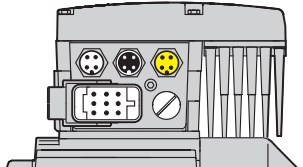
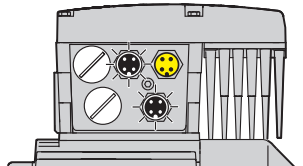
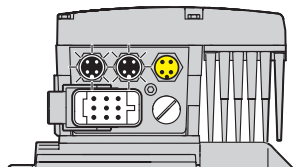


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13.2.2 Overview of connection technology – MOVIMOT® with integrated AS-Interface

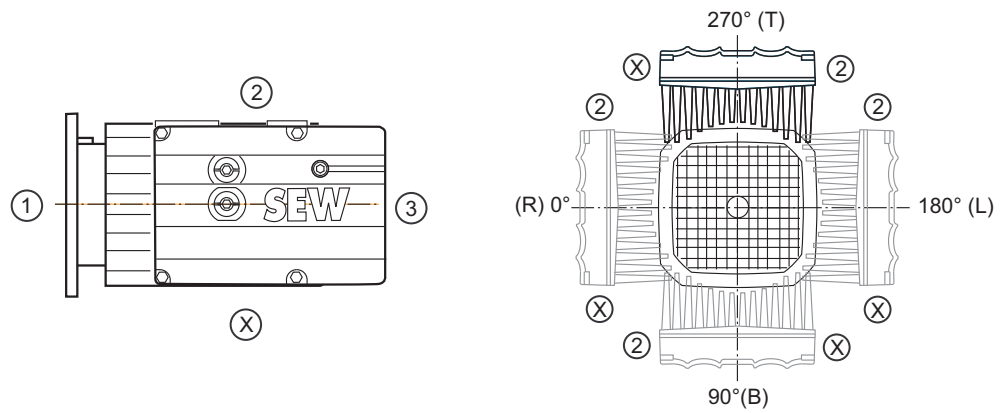
MOVIMOT® MM..D with integrated AS-Interface is supplied with AVSK plug connector (for AS-Interface) if not specified otherwise in the order.

The following table shows the available plug connector variants:

Order designation	Function	Manufacturer's designation
MM../AVSK 	AS-Interface	1 x round plug connector M12 x 1
MM../AZSK 	- AS-Interface - AUX PWR - Sensor connection	3 x round plug connector M12 x 1
MM../AND3/AZSK 	- Power rating - AS-Interface - AUX PWR - Sensor connection	Harting Han® Q8/0 pin insert (built-on housing with 1 clip) + 3 x round plug connector M12 x 1
MM../AZZK 	- AS-Interface/AUX-PWR - Sensor connection - Sensor connection	3 x round plug connector M12 x 1
MM../AND3/AZZK 	- Power rating - AS-Interface/AUX-PWR - Sensor connection - Sensor connection	Harting Han® Q8/0 pin insert (built-on housing with 1 clip) + 3 x round plug connector M12 x 1

Possible plug connector positions (MOVIMOT® with integrated AS-Interface)

Positions "X" or "2" are possible for plug connectors. The plug connectors are always located on one connection side. Combined plug connector positions are not possible.



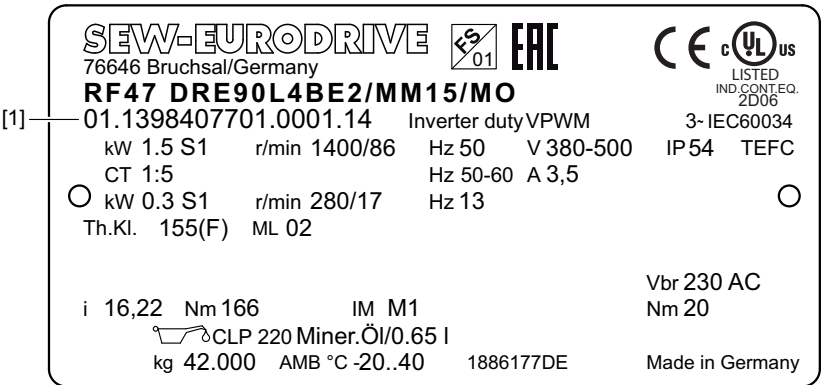
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13.3 Sample type designation

13.3.1 Standard design

Nameplate

The following figure gives an example of a MOVIMOT® drive nameplate. The nameplate is attached to the motor.



18014399029659147

[1] Serial number

Type designation

The following table shows an example of the type designation of the MOVIMOT® drive RF47 DRE90L4BE2/MM15/MO:

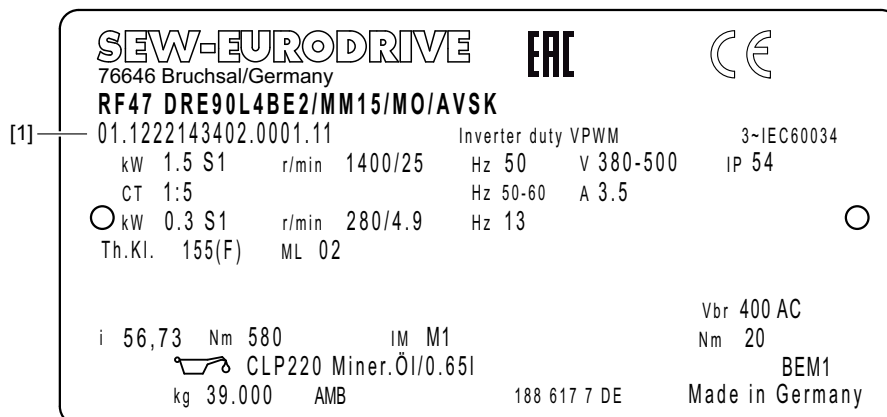
RF	Gear unit series	
47	Gear unit size	
DRE	Motor series (DRS., DRE., DRN..)	
90L	Motor size	
J	Rotor	C = copper rotor J = LSPM rotor
4	Number of motor poles	
BE2	Additional feature motor (brake)	
/		
MM15	MOVIMOT® inverter	
/		
MO	Additional feature: inverter ¹⁾	

1) The nameplate only displays options installed at the factory.

13.3.2 MOVIMOT® with integrated AS-interface

Nameplate

The following figure gives an example of a MOVIMOT® drive nameplate. The nameplate is attached to the motor.



18014400195306635

[1] Serial number

Type designation

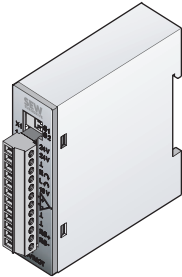
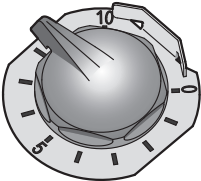
The following table shows an example of the type designation of the MOVIMOT® drive RF47 DRE90L4BE2 /MM15/MO/AVSK:

RF	Gear unit series
47	Gear unit size
DRE	Motor series (DRS., DRE., DRN..)
90L	Motor size
J	Rotor C = copper rotor J = LSPM rotor
4	Number of motor poles
BE2	Additional feature motor (brake)
/	
MM15	MOVIMOT® inverter
/	
MO	Additional feature: inverter ¹⁾ (e.g. MLK30A)
/	
AVSK	Plug connector for AS-Interface

1) The nameplate only displays options installed at the factory.

13.4 Options

The following tables show the options for MOVIMOT® MM..D.

Option	Image	Description
DC 24 V supply MLU11A (input voltage AC 380 – 500 V) part number: 08233837 MLU21A (input voltage AC 200 – 240 V) part number: 0823387X		The MLU.1A option is mounted with a MOVIMOT® cable gland. The option provides the DC 24 V voltage supply for the MOVIMOT® inverter, including one option with a maximum power consumption of 70 mA (MBG11A, MWA21A). An external 24 V auxiliary voltage is not required.
Setpoint adjuster with DC 24 V supply MLG11A (input voltage AC 380 – 500 V) part number: 08233845 MLG21A (input voltage AC 200 – 240 V) part number: 08233888		The MLG.1A option is mounted with a MOVIMOT® cable gland. The option allows to set the input speed in the range of -100% – +100% f_{max} (potentiometer f1). An external 24 V auxiliary voltage is not required.
Setpoint adjuster MBG11A part number: 08225478		The MBG11A setpoint adjuster has 2 keys and a display. The keys allow for remote speed control in the range of -100% – +100% f_{max} (potentiometer f1). Up to 31 MOVIMOT® drives can be controlled simultaneously (broadcasting).
Setpoint converter MWA21A part number: 08230064		The MWA21A setpoint converter converts an analog setpoint and control signals into an RS485 protocol. This allows to control of the MOVIMOT® drive from the control cabinet remotely. Up to 31 MOVIMOT® drives can be controlled simultaneously (broadcasting).
Rotary button MBK11A (for MOVIMOT® MMD03 – MMD15..) Part number: 28230035 MBK12A (for MOVIMOT® MMD22 – MMD40..) Part number: 28230043		The drive speed can be set in the range of 0 – 100% using the adjusting knob. The MBK.. adjusting knob is mounted onto the setpoint potentiometer f1 of the MOVIMOT® inverter instead of the screw plug. NOTICE The MOVIMOT® inverter with adjusting knob has the degree of protection IP54.

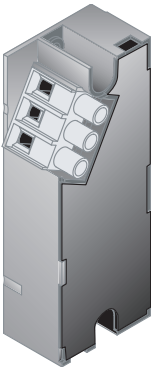
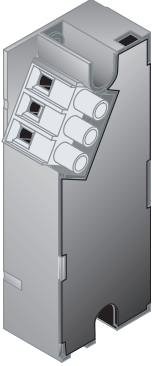
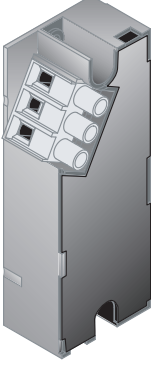
13.4.1 Options integrated in connection box

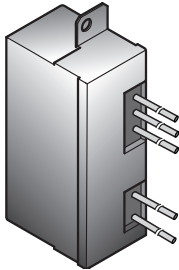
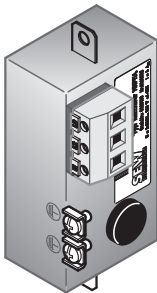
INFORMATION



The following table shows the options for MOVIMOT® MM..D that are installed in the connection box:

- The options BEM, BES, URM, MLU13A and MNF21A are integrated in the MOVIMOT® connection box.
- The MLU13A and MNF21A options can only be ordered in combination with the modular connection box.
- The modular connection box is assigned depending on the ordered option and the MOVIMOT® size.

Option	Figure	Description
BEM brake control Part number: 08296111		The BEM brake rectifier serves to control the brake of the MOVIMOT® drive. The brake is controlled by means of parameter setting or activating additional function 7 or 9. The BEM brake control implements fast release and application of the mechanical brake. NOTICE: The brake coil must correspond to the connection voltage.
BES brake control Part number: 08298475		The BES brake rectifier serves to control the DC 24 V brake (not standard) of the MOVIMOT® drive. The brake is controlled by means of parameter setting or activating additional function 7 or 9. The BES brake control implements normal release and fast application of the mechanical brake. NOTICE: The brake coil must be designed as DC 24 V coil.
URM voltage relay Part number: 08276013		The URM voltage relay implements rapid application of the mechanical brake. NOTICE: The brake coil must correspond to the MOVIMOT® standard (AC 120 V or AC 230 V).

Option	Figure	Description
Internal DC 24 V voltage supply MLU13A Part number: 18205968		The MLU13A option is installed in the modular connection box of the MOVIMOT® drive as standard. The option provides the DC 24 V voltage supply for the MOVIMOT® inverter, including one option with a maximum power consumption of 70 mA (MBG11A, MWA21A). An external 24 V auxiliary voltage is not required. Note that the height of the terminal box is higher for MOVIMOT® MM03 to MM15 by 18 mm.
MNF21A internal line filter Part number: 08042659		The MNF21A option is mounted in the connection box of the MOVIMOT® (MM03 – MM15). The option allows for implementing a drive system that complies with category C1 according to EN 61800-3 with respect to interference emission. The option requires the modular connection box with increased dimensions. Note that the height of the terminal box is higher for MOVIMOT® MM03 to MM15 by 18 mm.

13.4.2 Braking resistors

Assignment of internal braking resistors

The following table shows the assignments of internal braking resistors to MOVIMOT®.

MOVIMOT® type	Braking resistor	Part number
MM03D-503-00 – MM15D-503-00 MM03D-233-00 – MM07D-233-00	BW1	08228973 ¹⁾
MM22D-503-00 – MM40D-503-00 MM11D-233-00 – MM22D-233-00	BW2	08231362 ¹⁾

1) 2 screws M4 × 8 included in the delivery.

Assignment of external braking resistors

The following table shows the assignments of external braking resistors to MOVIMOT®.

MOVIMOT® type	Braking resistor	Part number	Protective grid
MM03D-503-00 – MM15D-503-00 MM03D-233-00 – MM07D-233-00	BW200-003/K-1.5	08282919	0813152X
	BW200-005/K-1.5	08282838	–
	BW150-006/T	17969565	–
MM22D-503-00 – MM40D-503-00 MM11D-233-00 – MM22D-233-00	BW100-003/K-1.5	08282935	0813152X
	BW100-005/K-1.5	08282862	–
	BW068-006/T	17970008	–
	BW068-012/T	17970016	–

13.4.3 Brake coil assignment

The following table shows the assignments of the brake coil to the respective motor.

Motor	Brake coil assignment	
	Standard brake	Optional brake
DR63L4	BR03	–
DRS71S4 DRE80S4	BE05	BE1
DRS71M4 DRS80S4 DRE80M4 DRN80M4	BE1	BE05
DRS80M4 DRE90M4 DRN90S4	BE2	BE1
DRS90M4 DRE90L4 DRN90L4	BE2	BE1
DRS90L4 DRE100M4 DRE100L4 DRN100LS4	BE5	BE2
DRS100M4 DRS100L4 DRS100LC4 DRE100LC4 DRN100L4	BE5	BE2
DRE132S4 DRN112M4	BE5	BE11

13.4.4 Options for diagnostics, startup and manual operation

INFORMATION



This chapter provides an overview of options regarding diagnostics, startup and manual operation for decentralized components from SEW-EURODRIVE.

For additional information on the functionality, refer to the MOVIMOT®, MOVIFIT® operating instructions, or to the manuals for the fieldbus interfaces and field distributors.

Overview

Option	Description	Type	Part no.	Compatible with
Keypad	Features: • Illuminated text display, range of languages • Keypad with 21 keys • Can be connected via extension cable DKG60B (5 m) • Degree of protection IP40 (EN 60529) Functions (examples): • Visualization of process values and status displays • Representation of process output and input data • Indicates error status and error reset • Manual control and operation • Status displays of digital inputs/outputs • Parameters can be displayed and set • Data backup and transfer of parameter sets	DBG60B-01 (DE/EN/FR/IT/ES/PT/NL)	18204031	• MOVIMOT® • MOVIFIT® • MF../MQ.. fieldbus interfaces
		DBG60B-02 (DE/EN/FR/FI/SV/DA/TR)	18204058	
		DBG60B-03 (DE/EN/FR/RU/PL/CS)	18204066	
		DBG60B-04 (DE/EN/FR/ZH)	18208509	
Extension cable	• Extension cable for DBG60B (length 5 m)	DKG60B	08175837	• DBG60B



Option	Description	Type	Part no.	Compatible with
Interface adapter USB to RS485	Option USB11A enables a PC or laptop with a USB interface to be connected to MOVIFIT®, MOVIMOT® or MF../MQ.. fieldbus interfaces. The USB11A interface adapter supports USB1.1 and USB2.0. Scope of delivery: • USB11A interface adapter • USB connection cable to connect USB11A - PC • Serial interface cable with 2 RJ10 plugs for connecting MOVIFIT®, MOVIMOT® or MF../MQ.. fieldbus interfaces to USB11A • CD-ROM with drivers and MOVITOOLS® MotionStudio	USB11A 	08248311	• MOVIMOT® • MOVIFIT® • MF../MQ.. fieldbus interfaces

13.4.5 Factory-installed external options

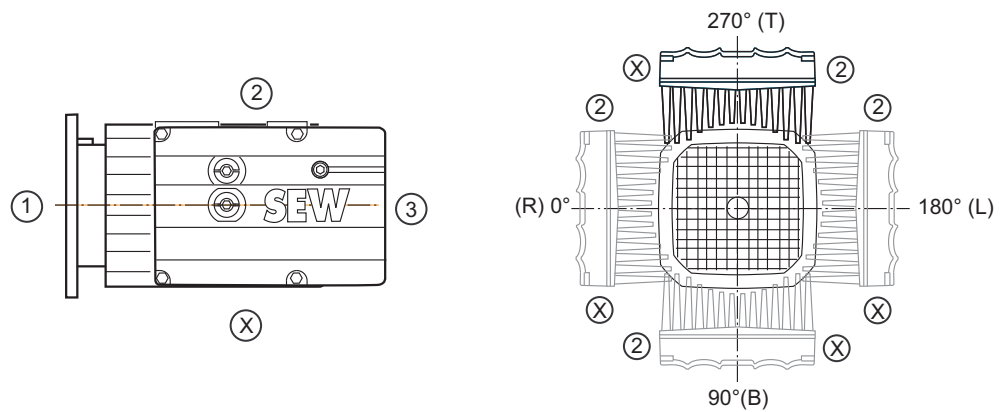
On request, the following options can be installed at the connection box at the factory (mounted, wired, and ready for operation):

- Local DC 24 V supply (MLU.1A)
- Local setpoint adjuster with DC 24 V supply (MLG.1A)
- PROFIBUS fieldbus interface (MFP../MQP..)
- PROFINET IO fieldbus interface (MFE52..)
- EtherCAT® fieldbus interface (MFE72..)
- INTERBUS fieldbus interface (MFI..)
- DeviceNet™ fieldbus interface (MFD../MQD..)
- Hybrid cable for connection between MF../Z.3. or MF../.6. field distributor and MOVIMOT® (KPF6, 1 – 5 m)

Important order information

The external options can be installed in the following positions as standard:

- Position "2"
- Position "X" (normal)



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13.4.6 Factory-installed integrated options

On request, the following options can be installed in the connection box at the factory (mounted, wired, and ready for operation):

- Local DC 24 V supply MLU13A
- MNF21A line filter
- BEM or BES brake control or URM voltage relay

13.5 MOVIMOT® retrofit sets

13.5.1 Available retrofit sets

Only (brake-)motors with the following characteristics may be retrofitted:

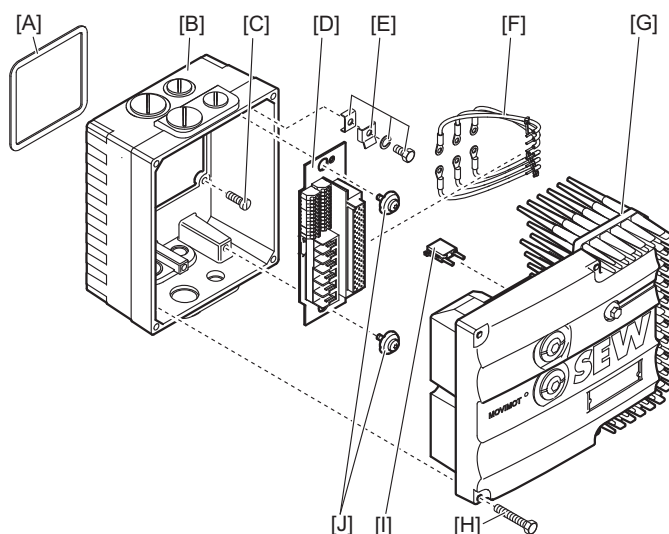
- Nominal motor voltage: AC 230/400 V, 50 Hz
- Rated brake voltage: AC 230 V for MM03 – MM15
AC 120 V for MM22 – MM40

For drives of UL-compliant installation no retrofit sets are available.

MOVIMOT® retrofit sets do not have part numbers.

13.5.2 Scope of delivery of the retrofit set

Check whether the MOVIMOT® retrofit set was delivered complete using the following figure.



- | | | |
|-------------------------|-----------------------|---------------------|
| [A] Terminal box gasket | [E] PE screw | [I] Drive ID module |
| [B] Connection box | [F] Connection cable | [J] 2 screws |
| [C] 4 screws | [G] MOVIMOT® inverter | |
| [D] Connection board | [H] 4 screws | |

The parts [B] and [D] to [J] are already assembled when the retrofit set is delivered.

13.5.3 Retrofit sets for DRN.. motors

 1400 min⁻¹ 人

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
0.75 kW	DRN80M4	MM07D, 人, DRN	DRN80M4/.../MM07D
1.1 kW	DRN90S4	MM11D, 人, DRN	DRN90S4/.../MM11D
1.5 kW	DRN90L4	MM15D, 人, DRN	DRN90L4/.../MM15D
2.2 kW	DRN100LS4	MM22D, 人, DRN	DRN100LS4/.../MM22D
3.0 kW	DRN100L4	MM30D, 人, DRN	DRN100L4/.../MM30D
4.0 kW	DRN112M4	MM40D, 人, DRN	DRN112S4/.../MM40D

 2900 min⁻¹ △

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
1.1 kW	DRN80M4	MM11D, △, DRN	DRN80M4/.../MM11D
1.5 kW	DRN90S4	MM15D, △, DRN	DRN90S4/.../MM15D
2.2 kW	DRN90L4	MM22D, △, DRN	DRN90L4/.../MM22D
3.0 kW	DRN100LS4	MM30D, △, DRN	DRN100LS4/.../MM30D
4.0 kW	DRN100L4	MM40D, △, DRN	DRN100L4/.../MM40D

13

13.5.4 Retrofit sets for DRE.. motors

 1400 min⁻¹ 人

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
0.75 kW	DRE80M4	MM07D, 人, DRE	DRE80M4/.../MM07D
1.1 kW	DRE90M4	MM11D, 人, DRE	DRE90M4/.../MM11D
1.5 kW	DRE90L4	MM15D, 人, DRE	DRE90L4/.../MM15D
2.2 kW	DRE100M4	MM22D, 人, DRE	DRE100M4/.../MM22D
3.0 kW	DRE100LC4	MM30D, 人, DRE	DRE100LC4/.../MM30D
4.0 kW	DRE132S4	MM40D, 人, DRE	DRE132S4/.../MM40D

 2900 min⁻¹ △

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
1.1 kW	DRE80M4	MM11D, △, DRE	DRE80M4/.../MM11D
1.5 kW	DRE90M4	MM15D, △, DRE	DRE90M4/.../MM15D
2.2 kW	DRE90L4	MM22D, △, DRE	DRE90L4/.../MM22D
3.0 kW	DRE100M4	MM30D, △, DRE	DRE100M4/.../MM30D
4.0 kW	DRE100LC4	MM40D, △, DRE	DRE100LC4/.../MM40D

13.5.5 Retrofit sets for DRS.. motors

1400 min⁻¹ 人

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
0.37 kW	DRS71S4	MM03D, 人, DRS	DRS71S4/.../MM03D
0.55 kW	DRS71M4	MM05D, 人, DRS	DRS71M4/.../MM05D
0.75 kW	DRS80S4	MM07D, 人, DRS	DRS80S4/.../MM07D
1.1 kW	DRS80M4	MM11D, 人, DRS	DRS80M4/.../MM11D
1.5 kW	DRS90M4	MM15D, 人, DRS	DRS90M4/.../MM15D
2.2 kW	DRS90L4	MM22D, 人, DRS	DRS90L4/.../MM22D
3.0 kW	DRS100M4	MM30D, 人, DRS	DRS100M4/.../MM30D
4.0 kW	DRS100LC4	MM40D, 人, DRS	DRS100LC4/.../MM40D

2900 min⁻¹ △

Power rating	Motor	+ MOVIMOT® retrofit set	= MOVIMOT® drive
0.55 kW	DRS71S4	MM05D, △, DRS	DRS71S4/.../MM05D
0.75 kW	DRS71M4	MM07D, △, DRS	DRS71M4/.../MM07D
1.1 kW	DRS80S4	MM11D, △, DRS	DRS80S4/.../MM11D
1.5 kW	DRS80M4	MM15D, △, DRS	DRS80M4/.../MM15D
2.2 kW	DRS90M4	MM22D, △, DRS	DRS90M4/.../MM22D
3.0 kW	DRS90L4	MM30D, △, DRS	DRS90L4/.../MM30D
4.0 kW	DRS100M4	MM40D, △, DRS	DRS100M4/.../MM40D

13.5.6 Braking resistors for motors without brake

For motors without mechanical brake, SEW-EURODRIVE recommends to install a braking resistor BW in the connection box. The braking resistor is not included in the delivery of the retrofit set and must be ordered separately:

MOVIMOT® type	Braking resistor	Part number
MM03D-503-00 – MM15D-503-00 MM03D-233-00 – MM07D-233-00	BW1	08228973 ¹⁾
MM22D-503-00 – MM40D-503-00 MM11D-233-00 – MM22D-233-00	BW2	08231362 ¹⁾

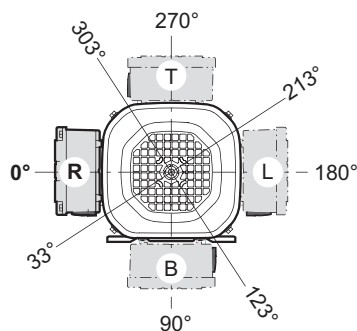
1) 2 screws M4 x 8 included in the delivery.

13.6 Dimension sheets

13.6.1 Dimension sheet information

Note the following for the dimension sheets of MOVIMOT® AC motors:

- Foot-mounted motors are available with connection box position 270° only.
- A fan guard represented by a dotted line shows the design with brake.
- Different positions are possible for the manual brake release. The 4 positions 33°, 123°, 213° or 303° are basically possible.



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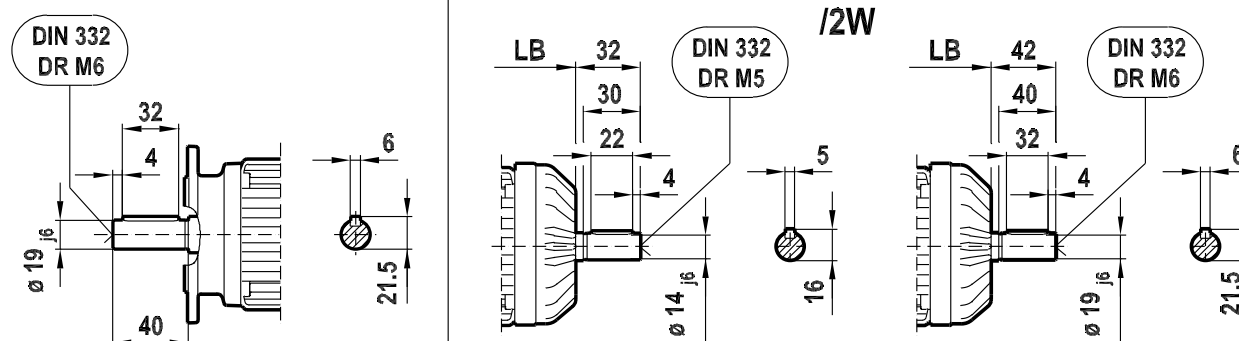
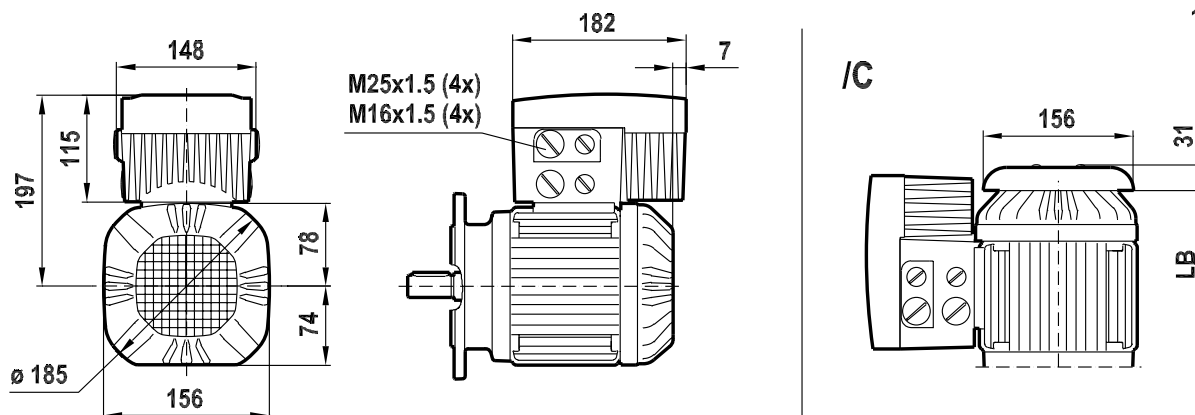
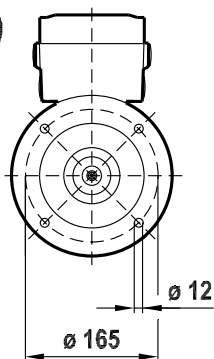
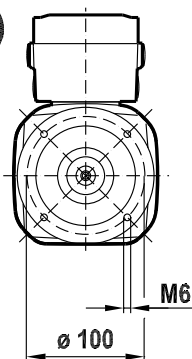
- The manual brake release is located at an angle of 303° to the connection box as standard. The manual brake release can be turned by $4 \times 90^\circ$. The forced cooling fan option (/V) limits the possible positions of the manual brake release.
- For brakemotors, do not forget to add the space required for removing the fan guard (= fan guard diameter).
- Leave a clearance of at least half the fan guard diameter to provide unhindered air access.
- The motor dimensions can change when installing motor options. Refer to the dimension drawings of the motor options.

13.6.2 Dimension sheets MOVIMOT® motors/brakemotors of the DRN.. series

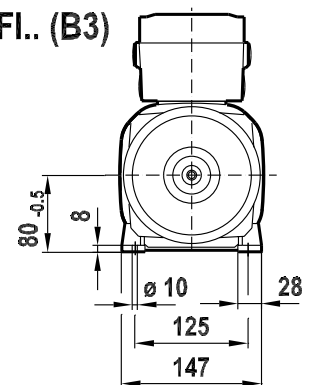
DRN80M/MM-D

08 639 00 15

1 (2)

/FF (B5)
FF165/FT (B14)
FT100

/FI.. (B3)

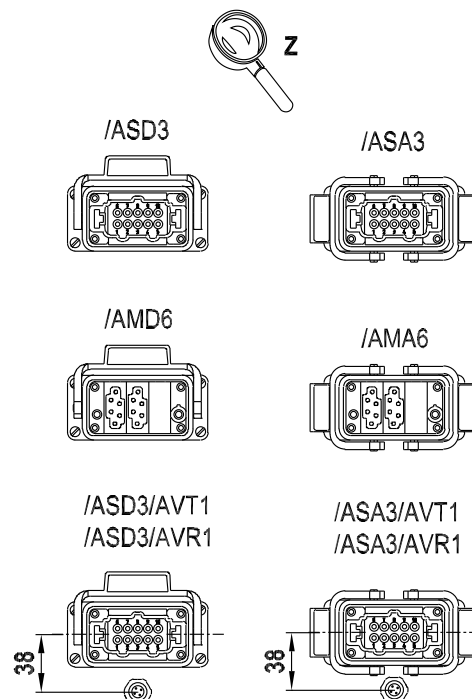
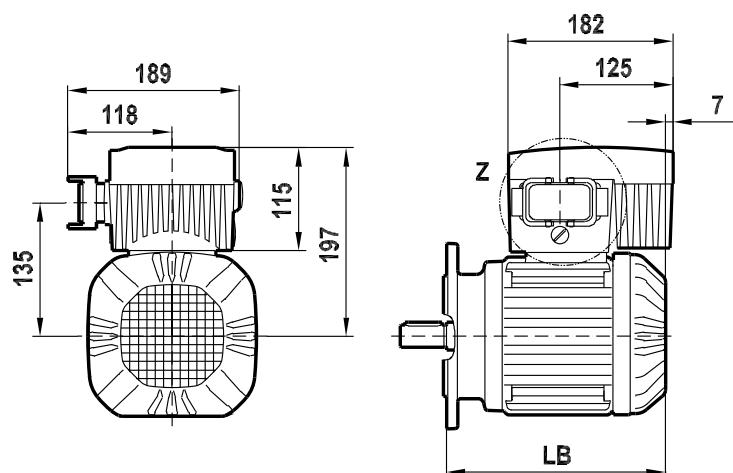


DRN80M/MM-D

08 639 01 15

2 (2)

MM07-MM15/IV



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/ASA3

/AMD6

/AMA6

/ASD3/AVT1
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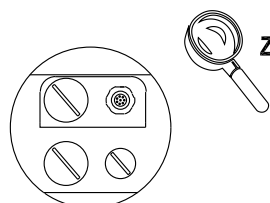
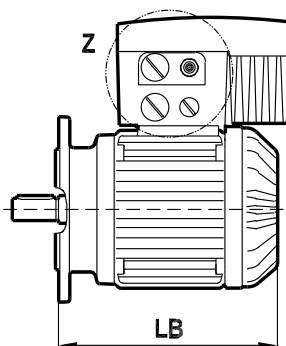
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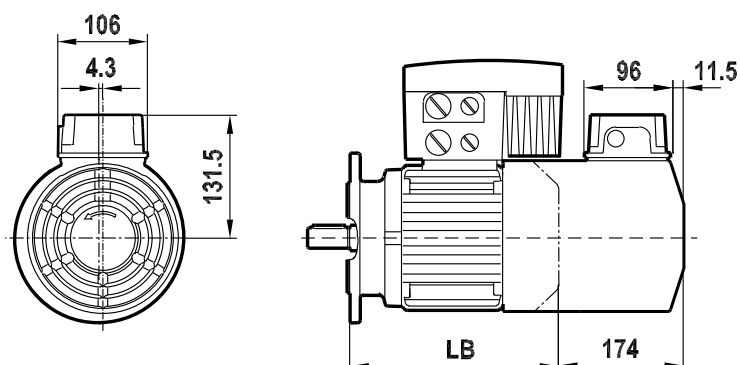
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13

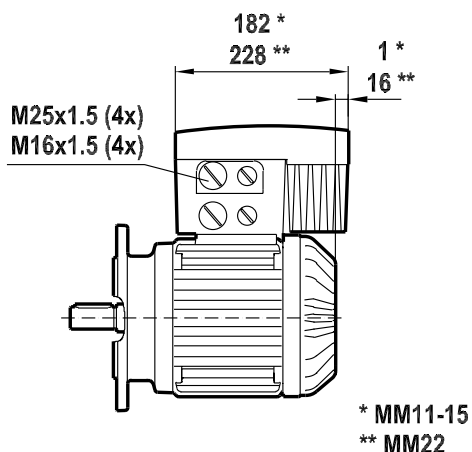
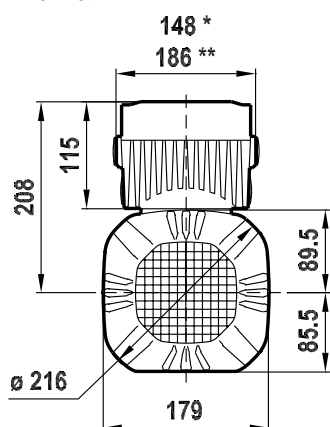
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/MM-D../V



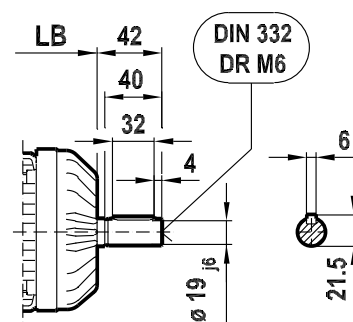
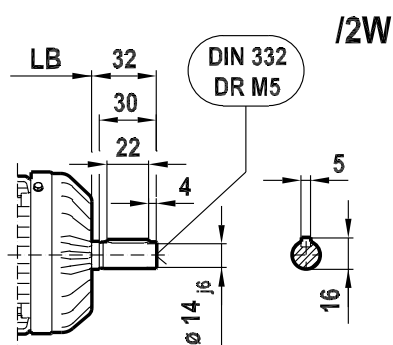
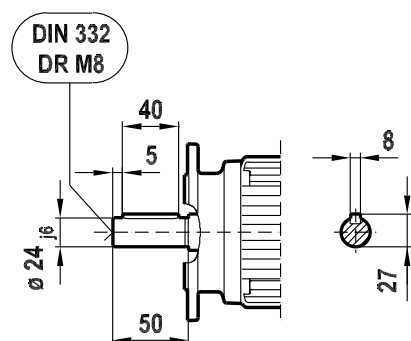
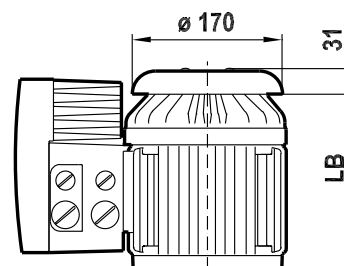
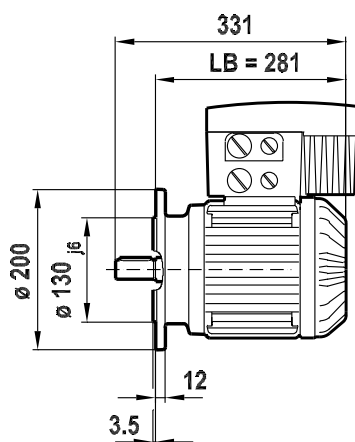
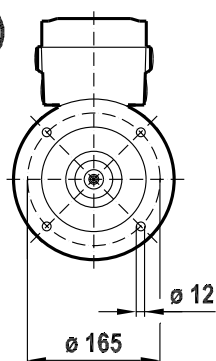
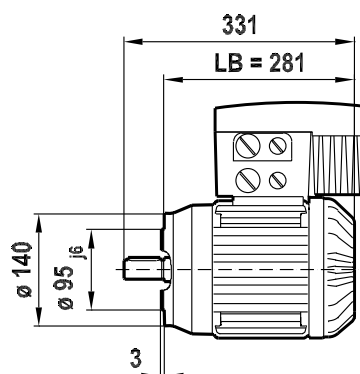
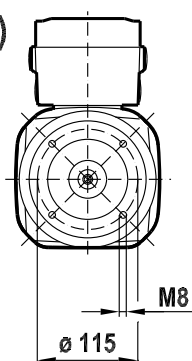
DRN90S/MM-D



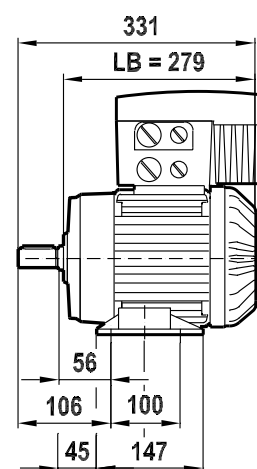
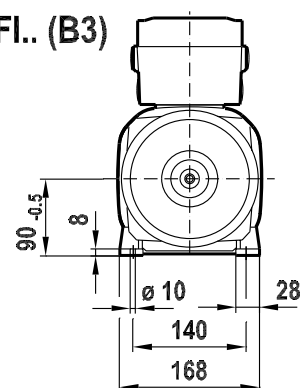
08 640 00 15

1 (2)

/C

/FF (B5)
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FT115

/FI.. (B3)

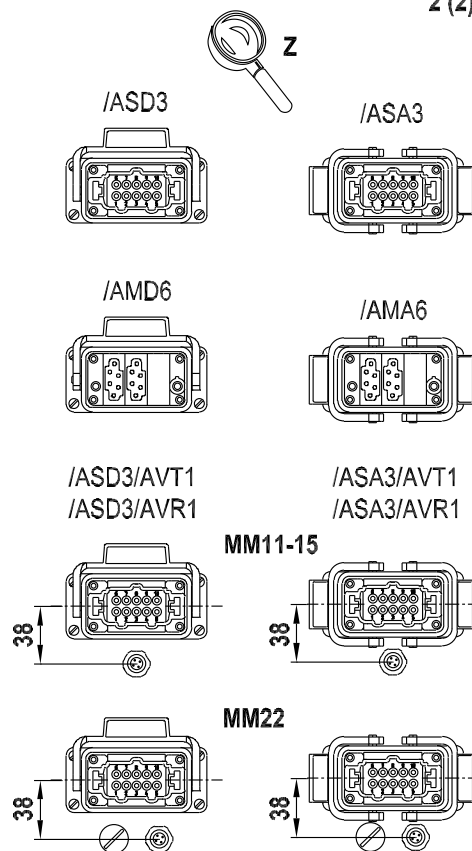
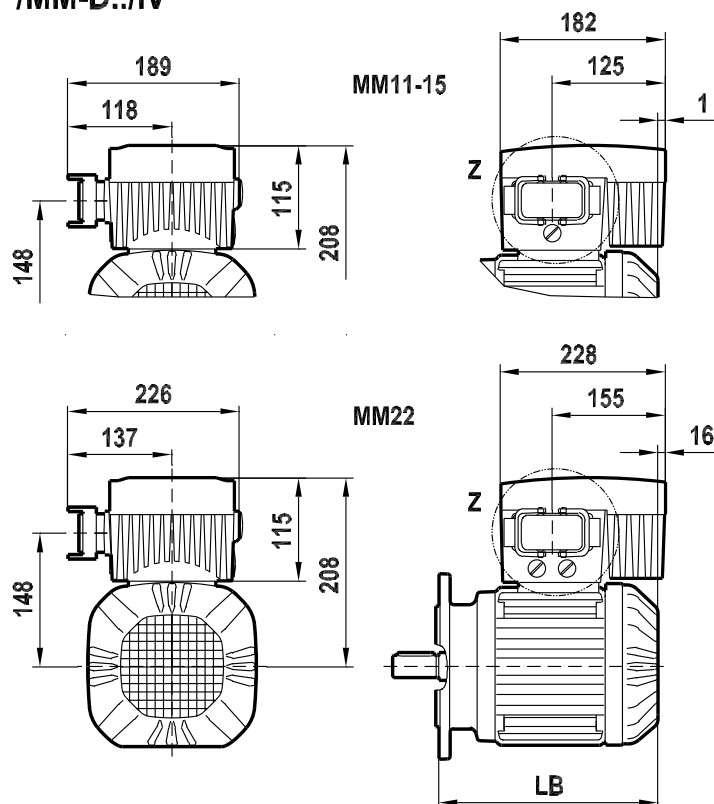


DRN90S/MM-D

08 640 01 15

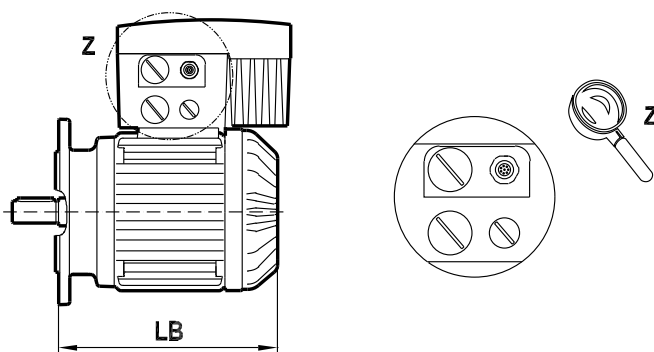
2 (2)

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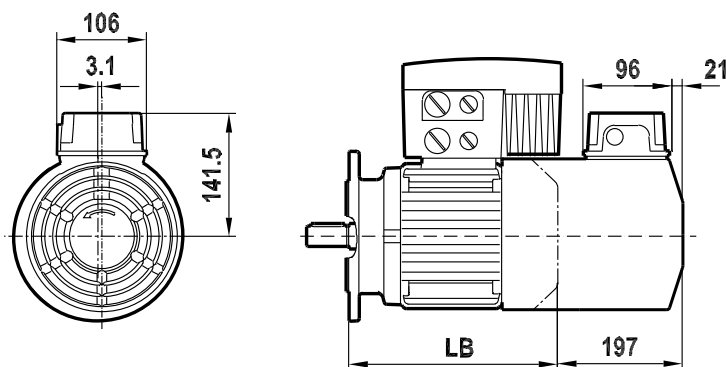


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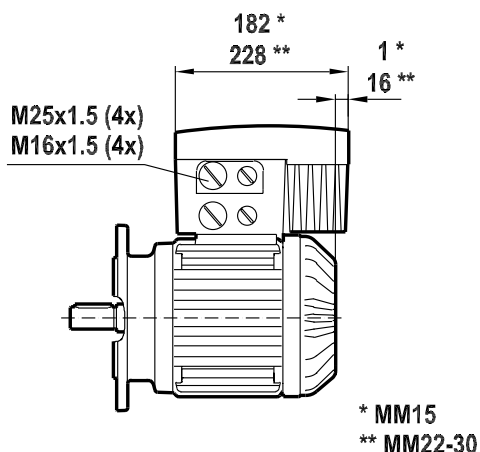
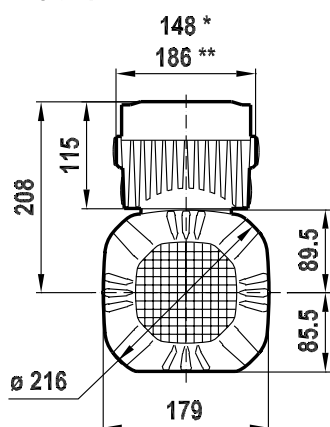
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/MM-D../IV



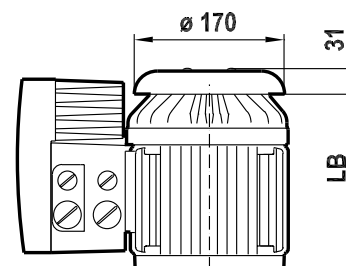
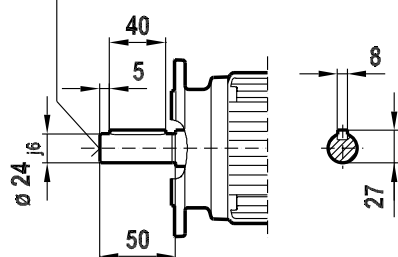
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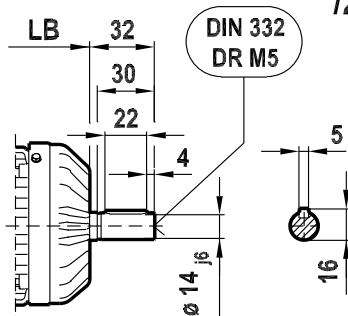
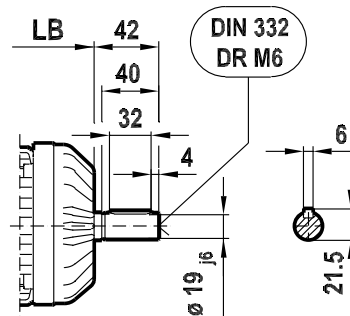
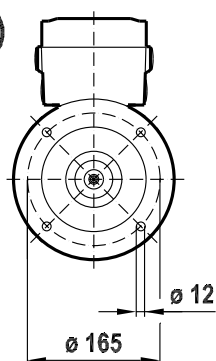
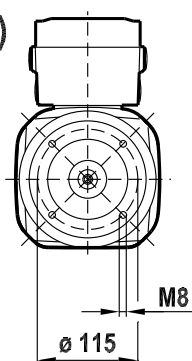
08 641 00 15

1 (2)

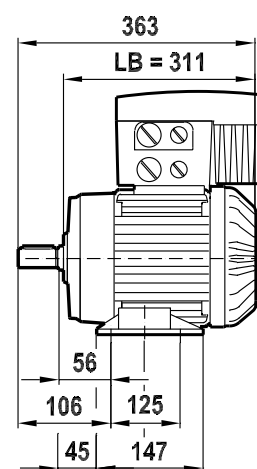
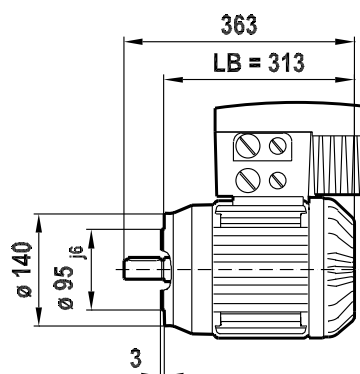
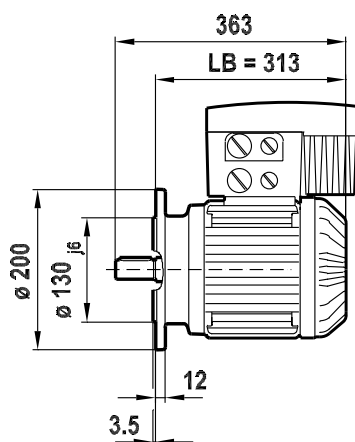
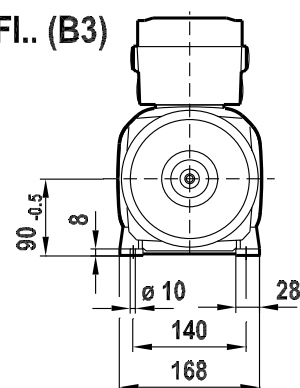
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DIN 332
DR M8

/2W

DIN 332
DR M5DIN 332
DR M6/FF (B5)
FF165/FT (B14)
FT115

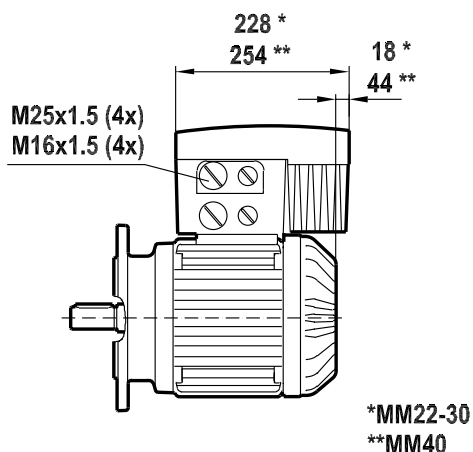
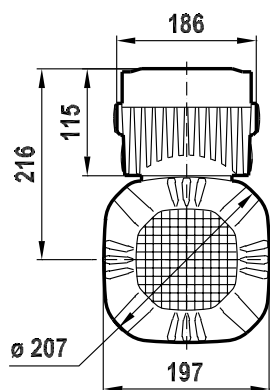
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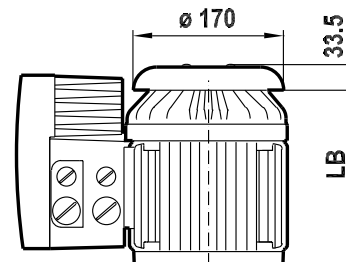
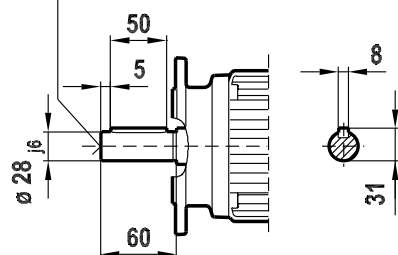
DRN100LS/MM-D

08 642 00 15

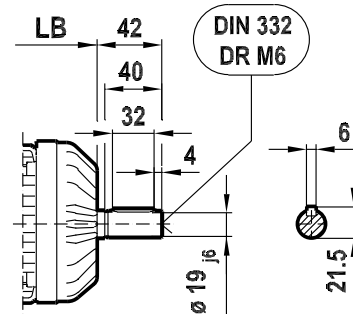
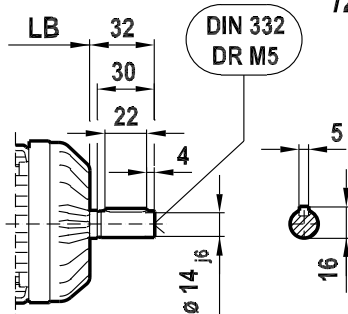
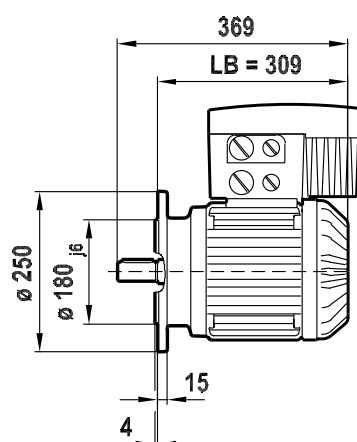
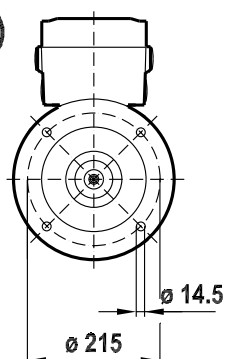
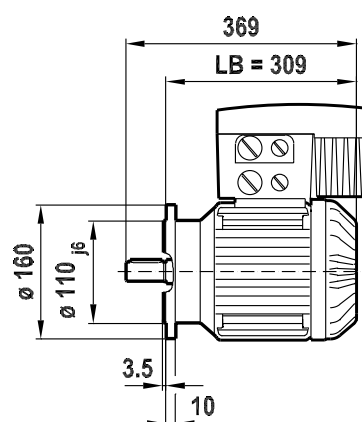
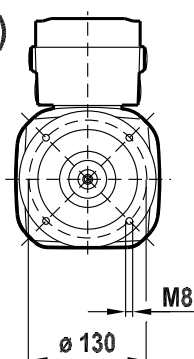
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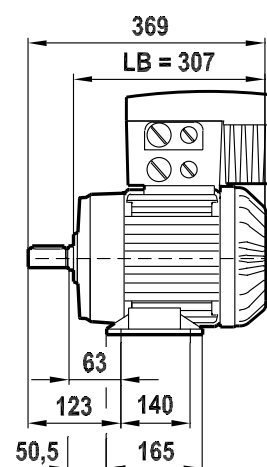
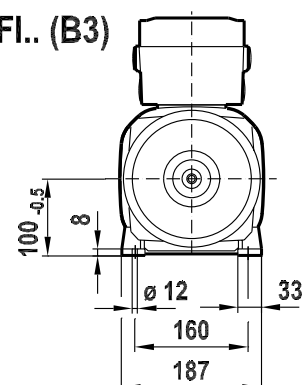
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DIN 332
DR M10

/2W

/FF (B5)
FF215/FT (B14)
FT130

/FI.. (B3)

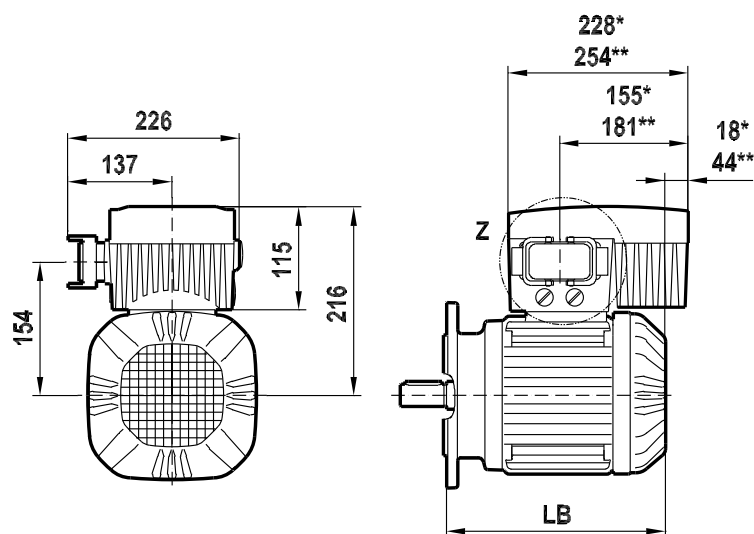


DRN100LS/MM-D

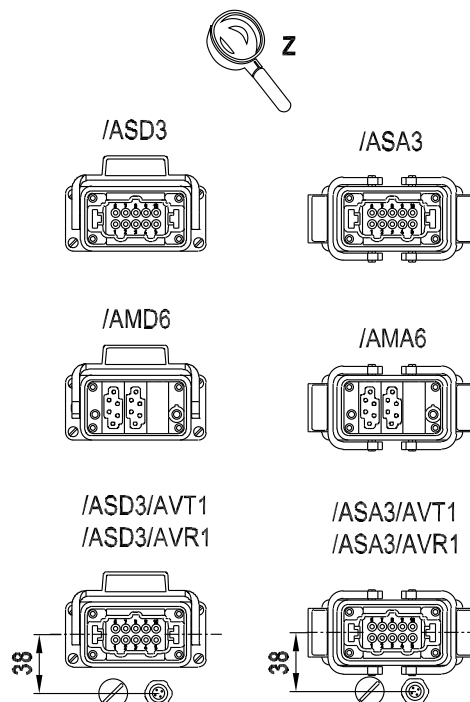
08 642 01 15

2 (2)

/MM-D../IV

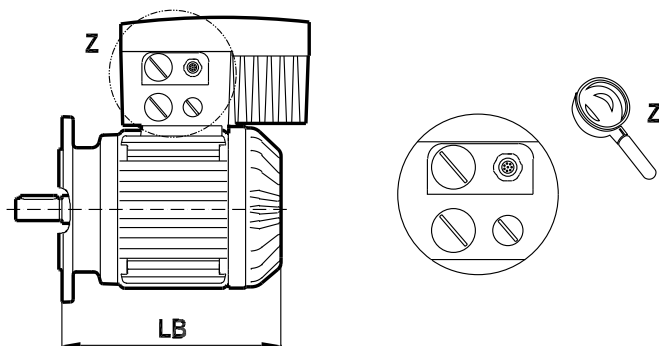


* MM22-30
** MM40

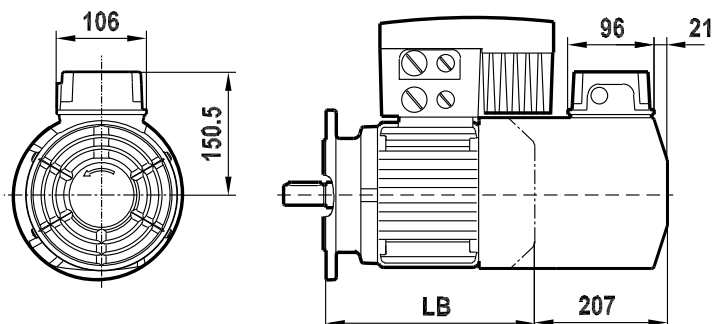


13

/MM-D../EI7./AV.E



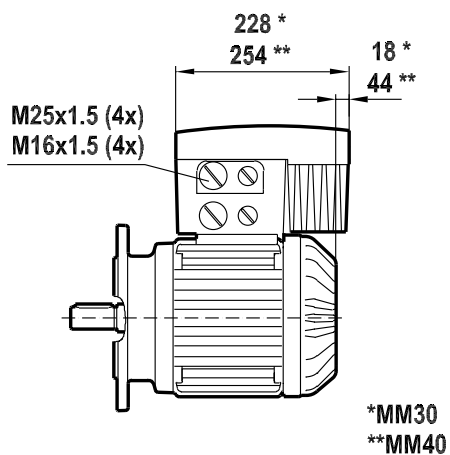
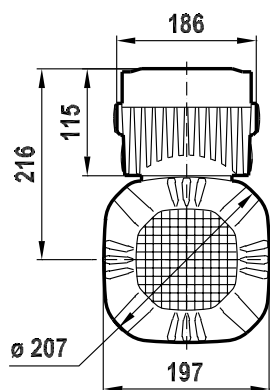
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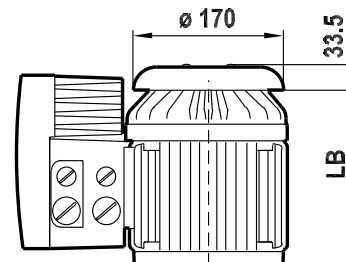
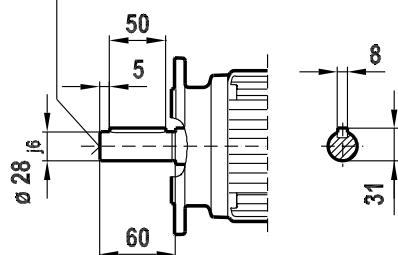
DRN100L/MM-D

08 643 00 15

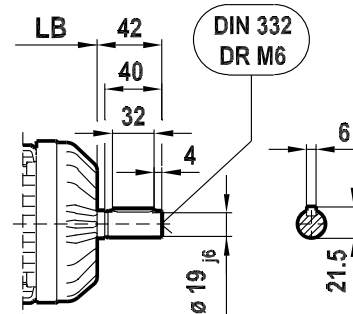
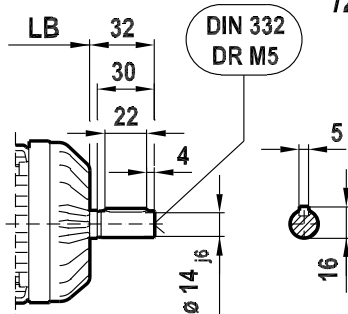
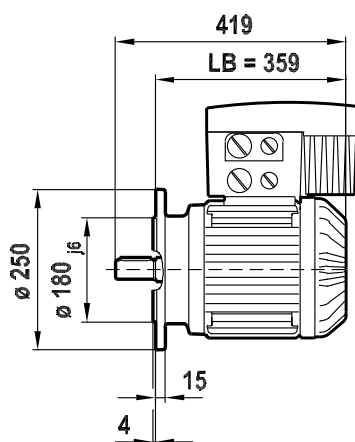
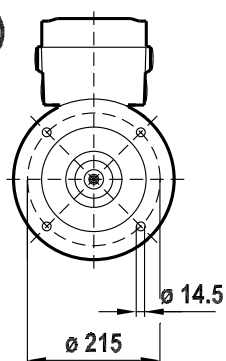
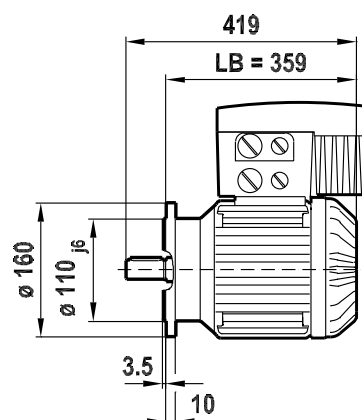
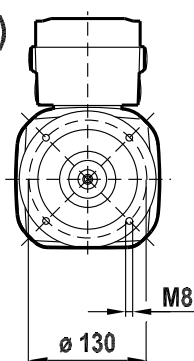
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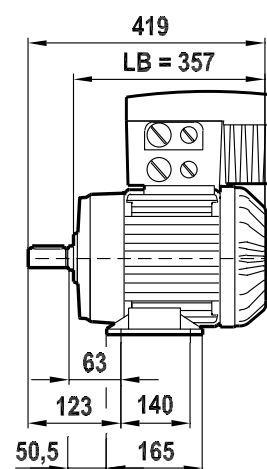
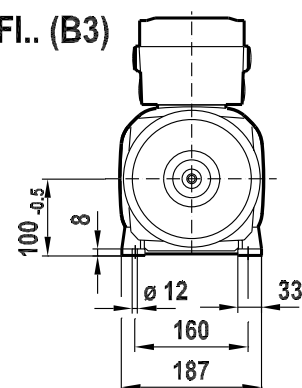
/C

DIN 332
DR M10

/2W

/FF (B5)
FF215/FT (B14)
FT130

/FI.. (B3)

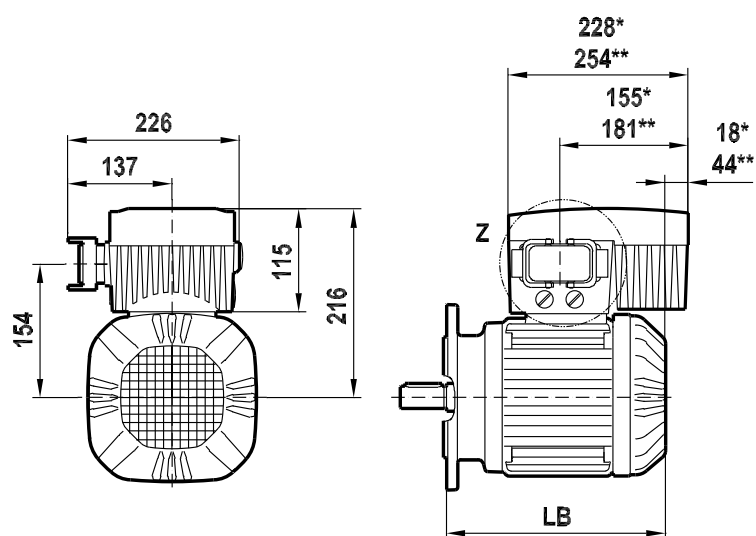


DRN100L/MM-D

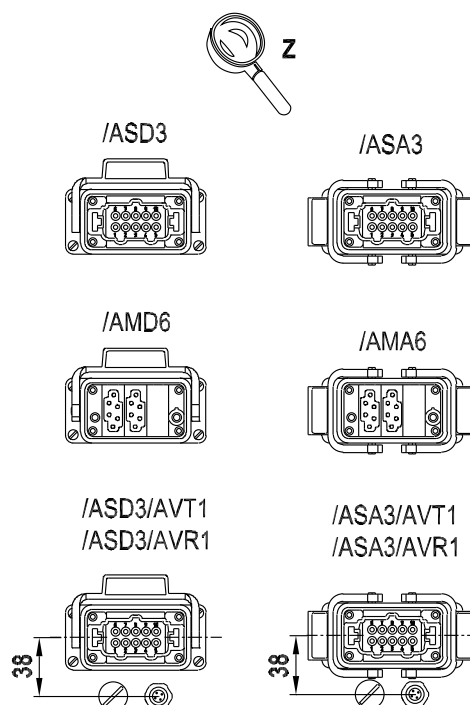
08 643 01 15

2 (2)

/MM-D../IV

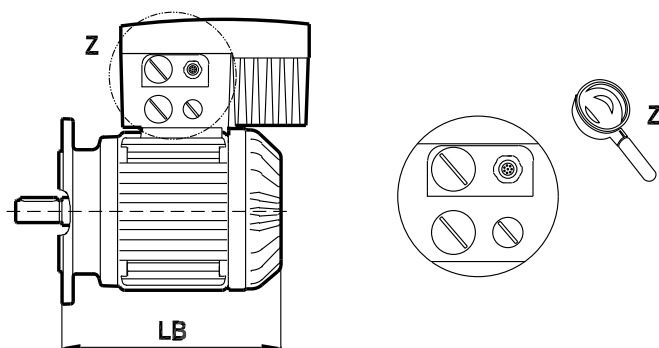


* MM30
** MM40

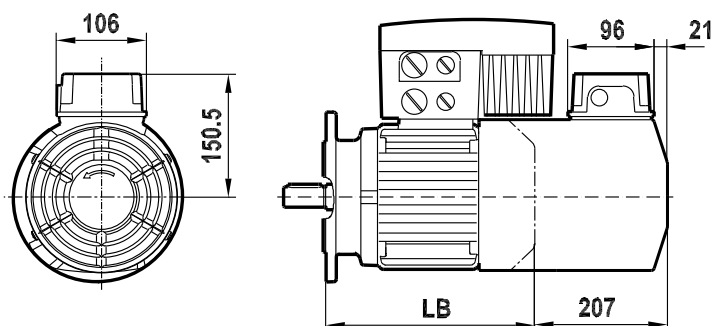


13

/MM-D../EI7./AV.E



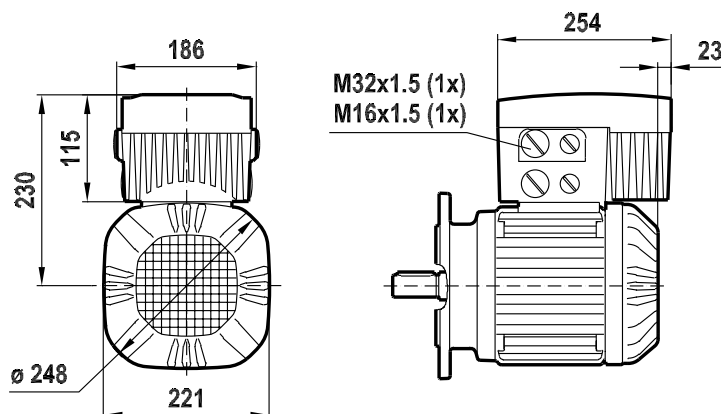
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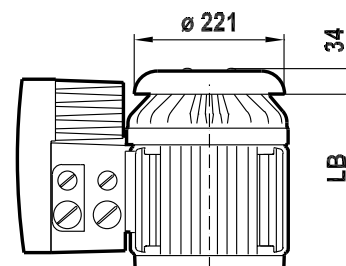
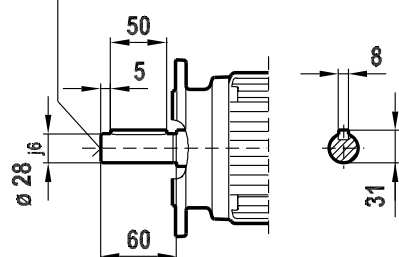
DRN112M/MM-D

08 644 00 15

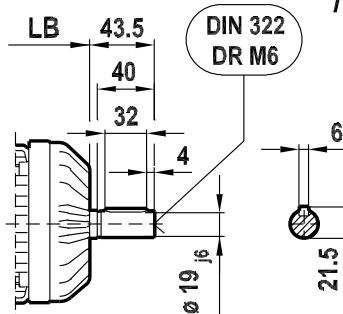
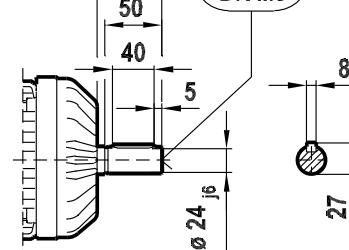
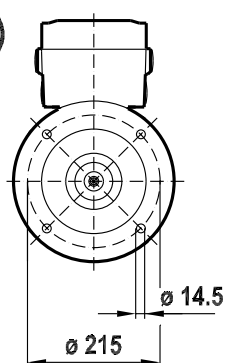
1 (2)



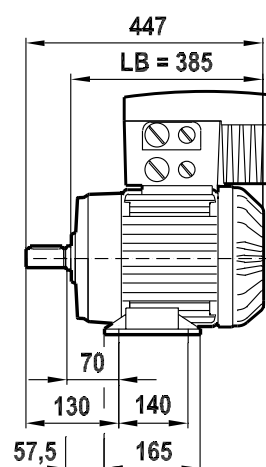
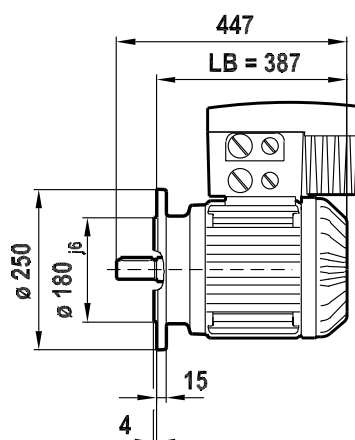
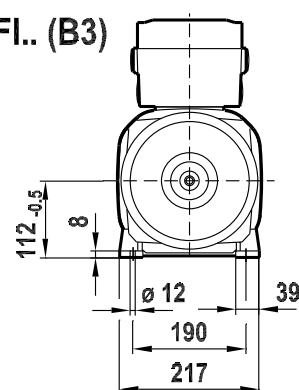
/C

DIN 332
DR M10

/2W

DIN 332
DR M8/FF (B5)
FF215

/FI.. (B3)

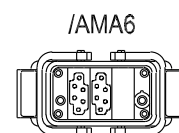
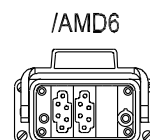
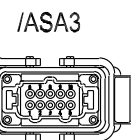
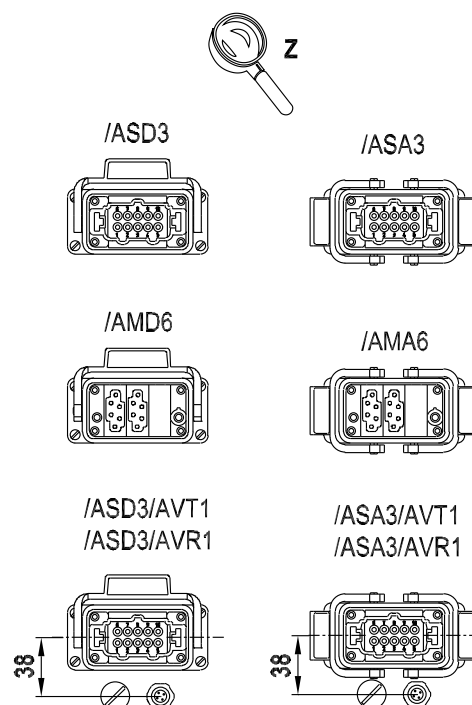
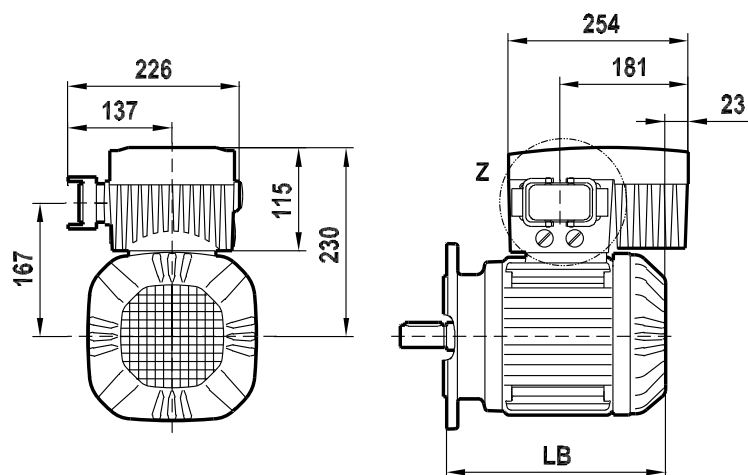


DRN112M/MM-D

08 644 01 15

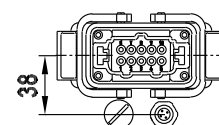
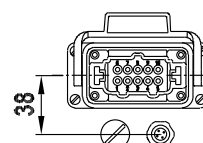
2 (2)

/MM-D../IV



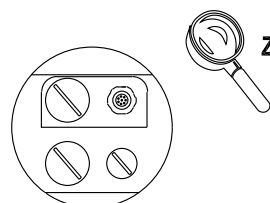
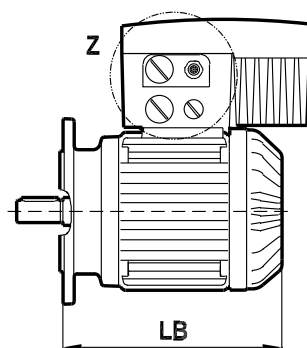
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/ASD3/AVR1

/ASA3/AVT1
/ASA3/AVR1

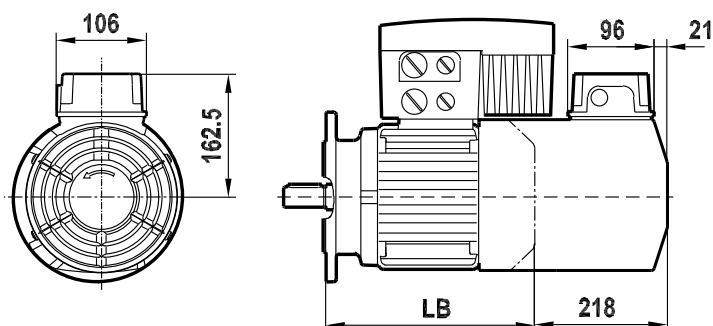


13

/MM-D../EI7./AV.E



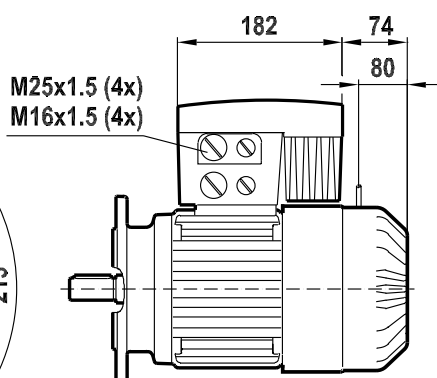
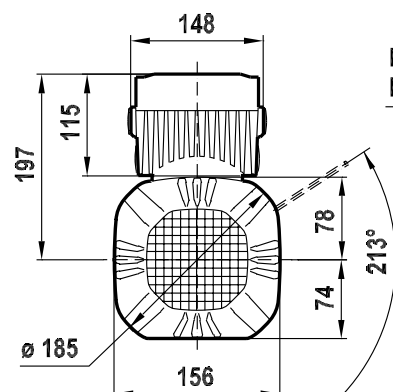
/MM-D../IV



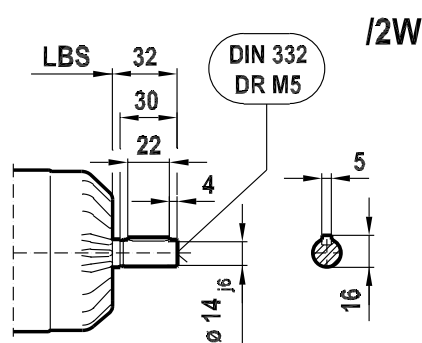
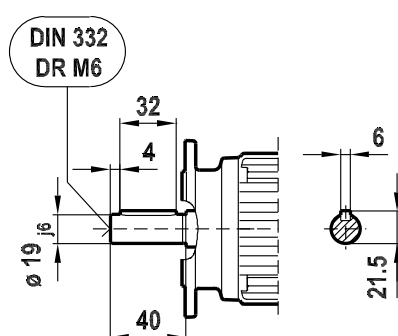
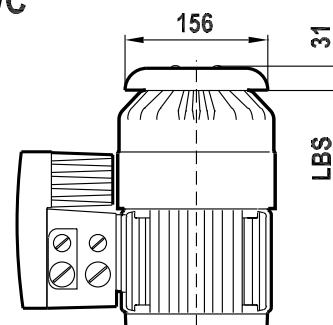
DRN80M BE/MM-D

09 965 00 15

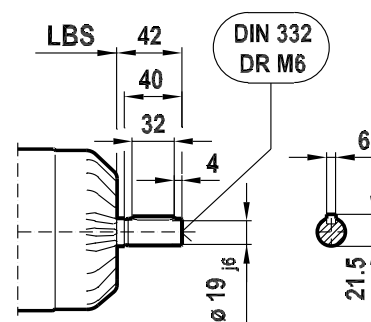
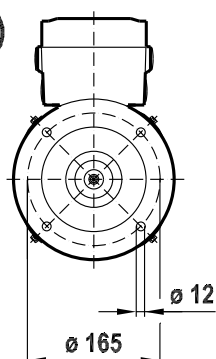
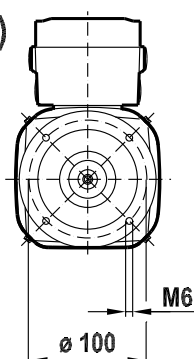
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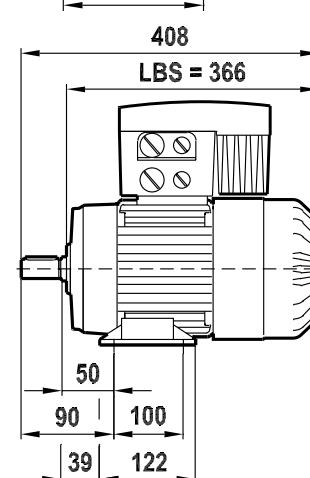
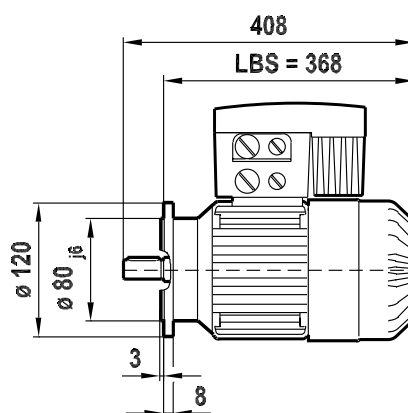
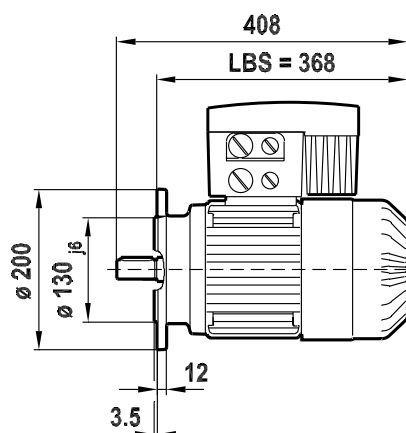
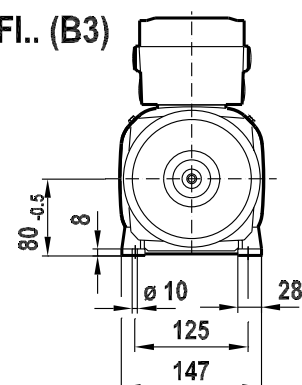
/C



/2W

/FF (B5)
FF165/FT (B14)
FT100

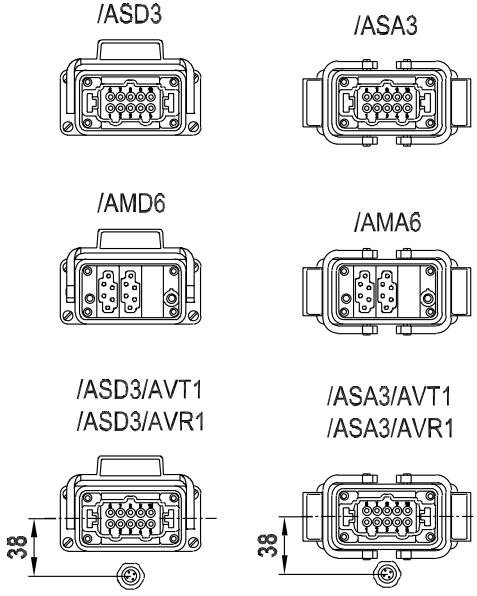
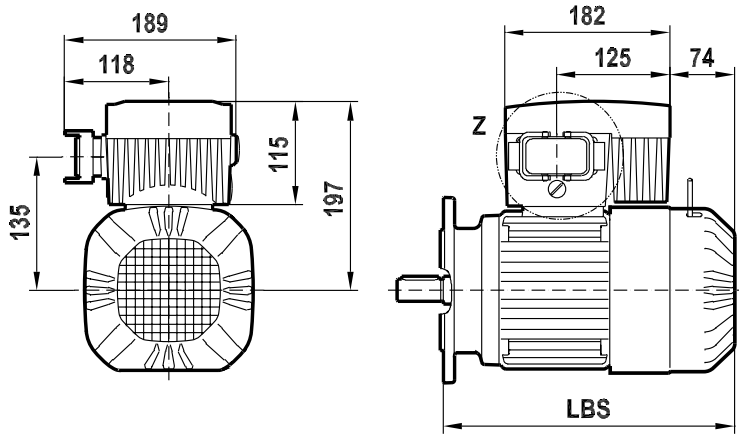
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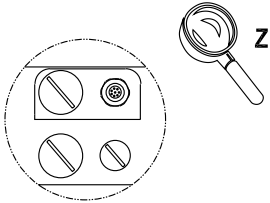
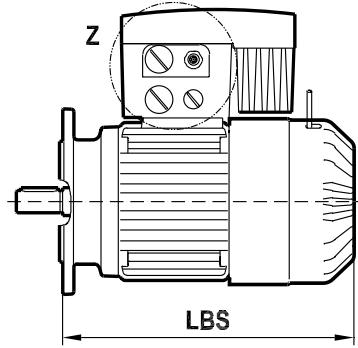
DRN80M BE/MM-D

09 965 00 15
2 (2)

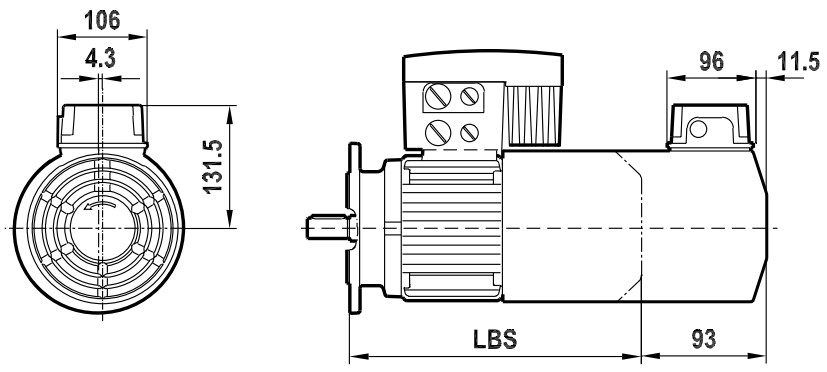
MM07-MM15/IV



/MM-D../EI7./AV.E

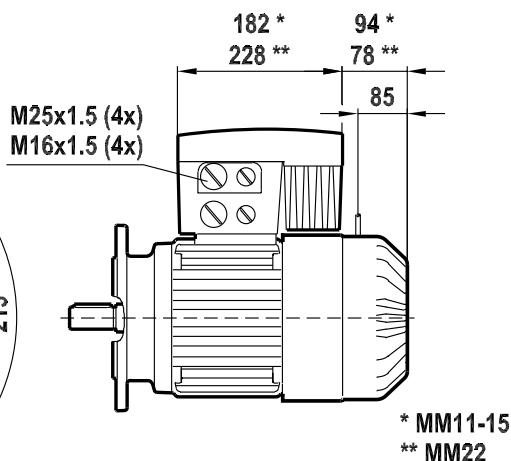
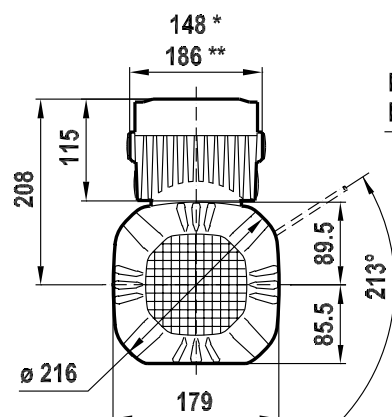


/MM-D../V



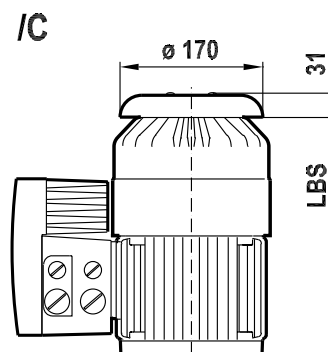
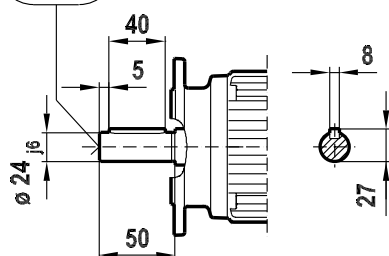
22148205/EN – 09/2016

DRN90S BE/MM-D

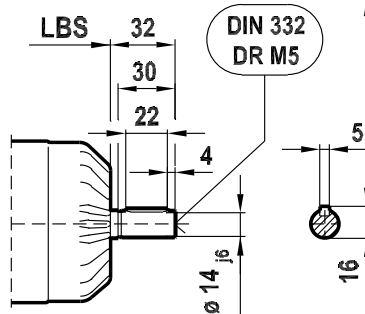


09 966 00 15

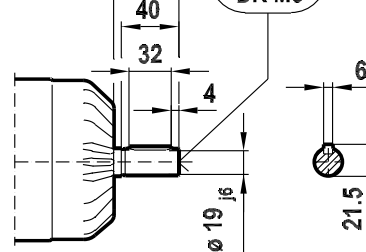
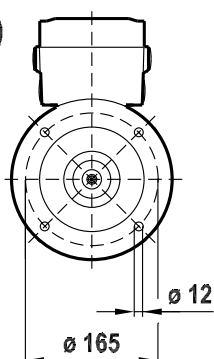
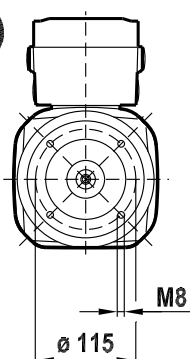
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DIN 332
DR M8

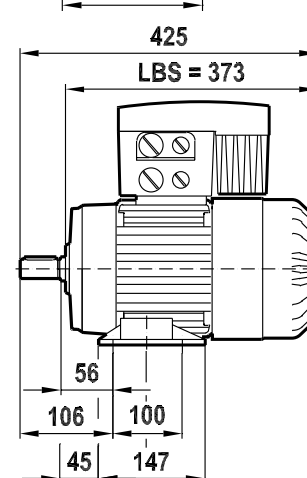
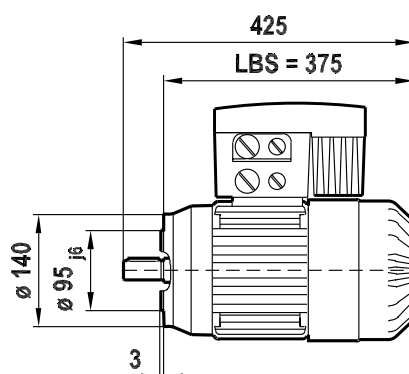
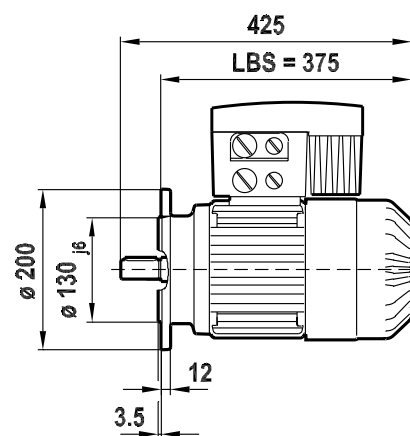
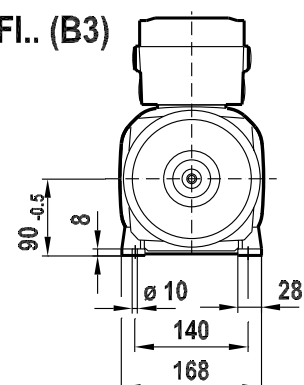
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DIN 332
DR M5

LBS 42

DIN 332
DR M6/FF (B5)
FF165/FT (B14)
FT115

/FI.. (B3)

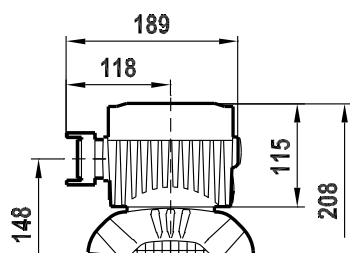


DRN90S BE/MM-D

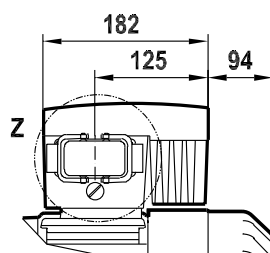
09 966 00 15

2 (2)

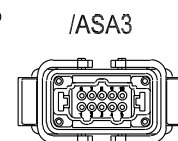
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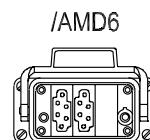
MM11-15



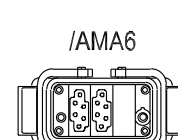
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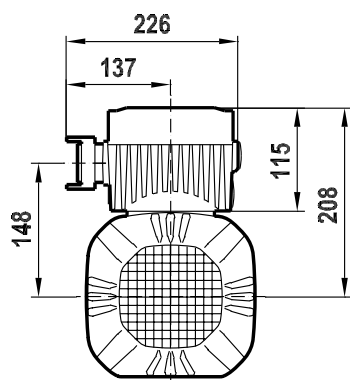
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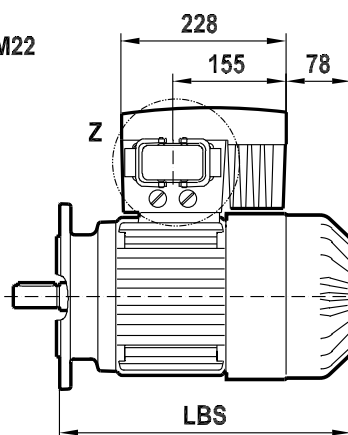
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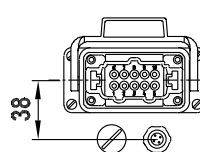
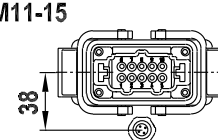
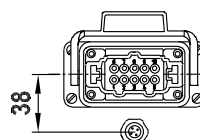
MM22



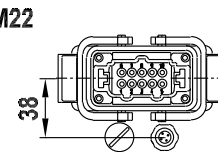
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/ASD3/AVR1

/ASA3/AVT1
/ASA3/AVR1

MM11-15

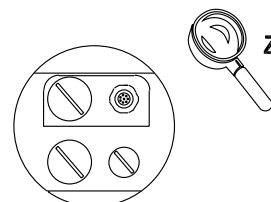
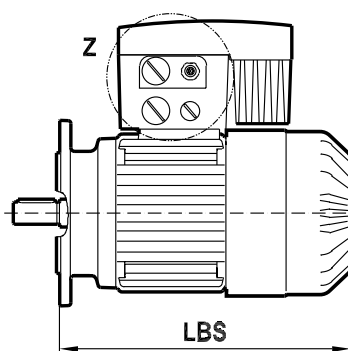


MM22

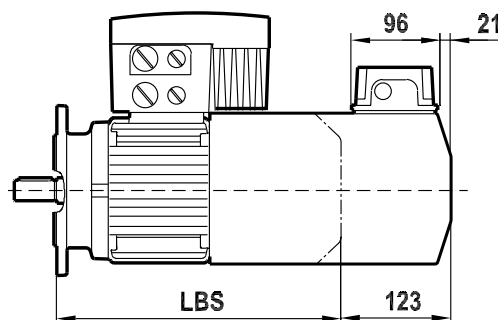
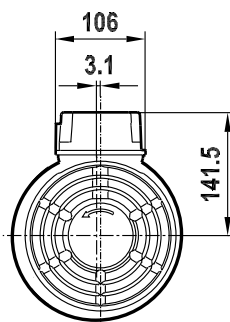


13

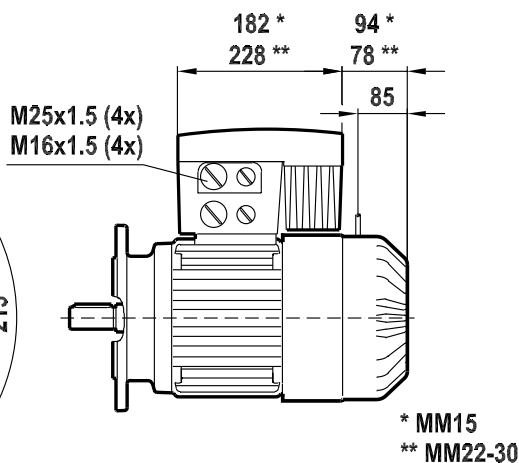
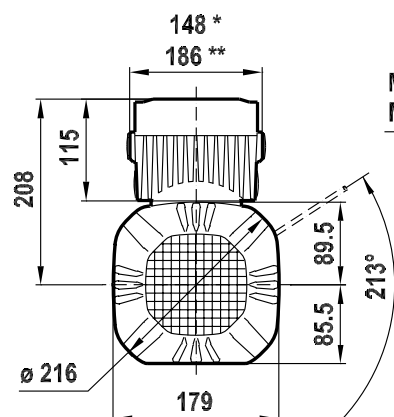
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/MM-D../V

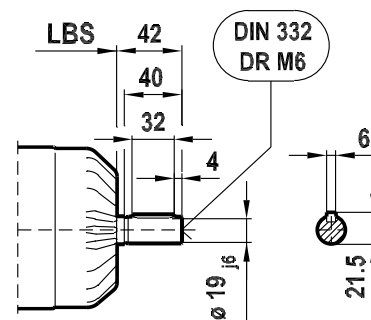
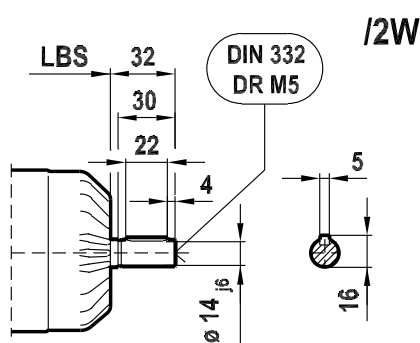
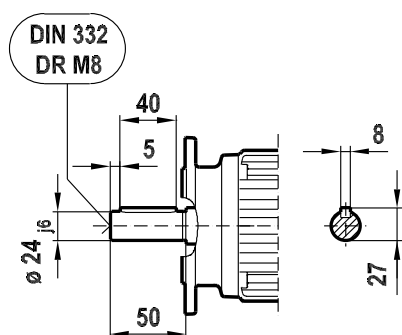
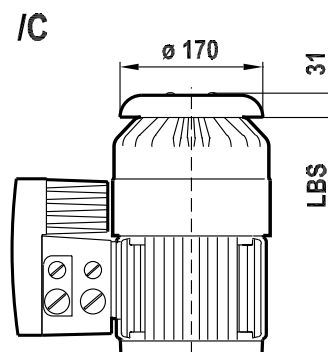
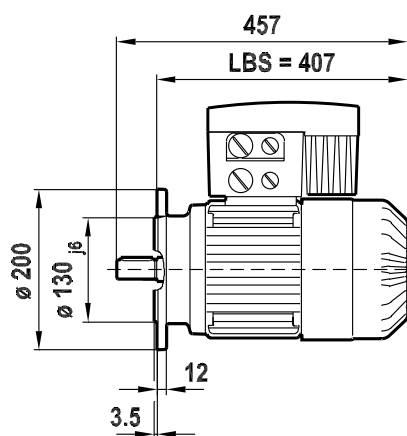
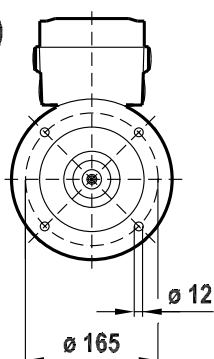
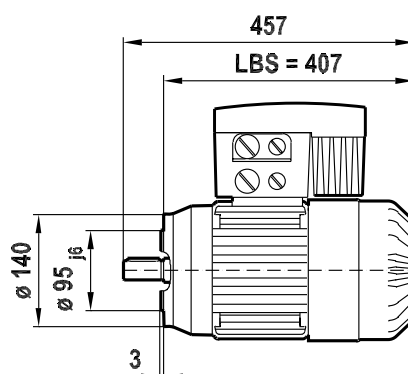
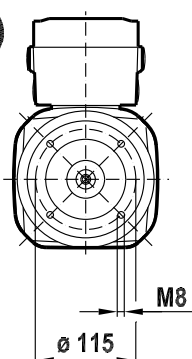


DRN90L BE/MM-D

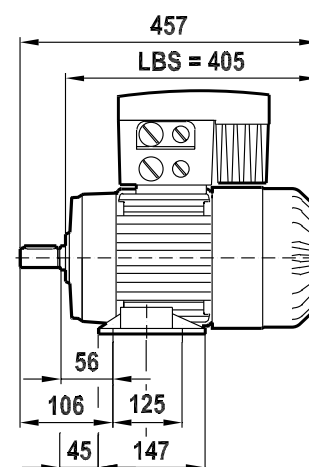
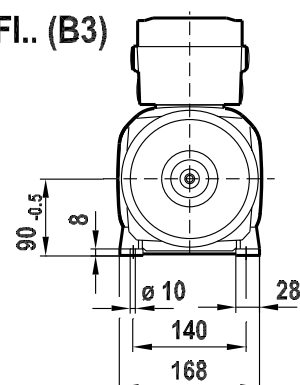


09 967 00 15

1 (2)

/FF (B5)
FF165/FT (B14)
FT115

/FI.. (B3)

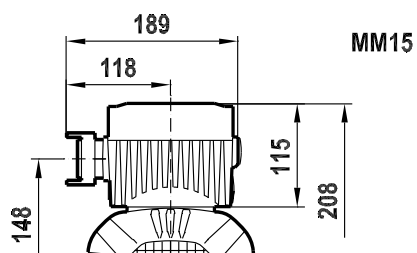


DRN90L BE/MM-D

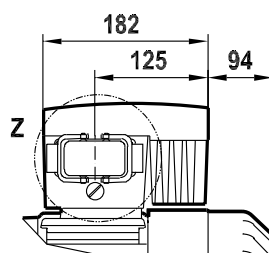
09 967 00 15

2 (2)

/MM-D../IV



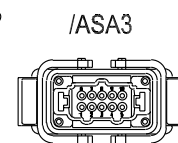
MM15



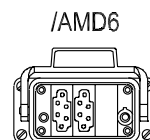
Z



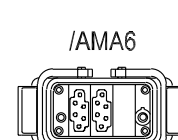
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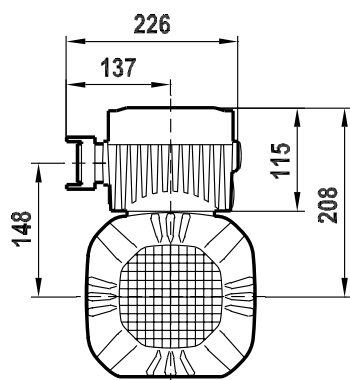
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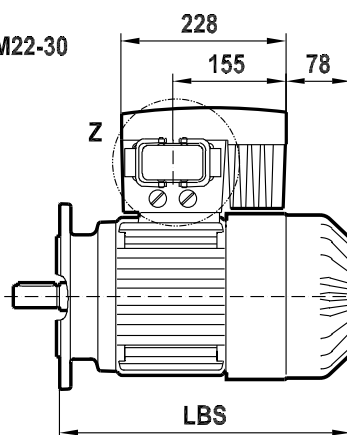
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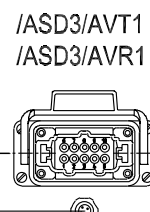
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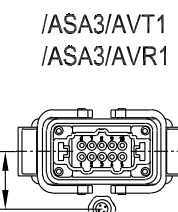
MM22-30



Z



/ASD3/AVT1
/ASD3/AVR1



/ASA3/AVT1
/ASA3/AVR1

MM15

38

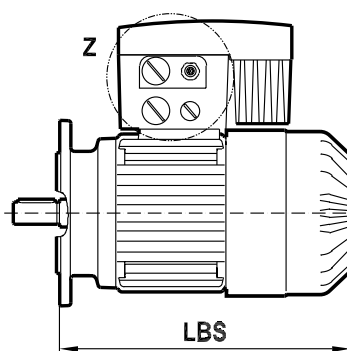
38

38

38

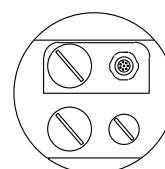
MM22-30

/MM-D../EI7./AV.E



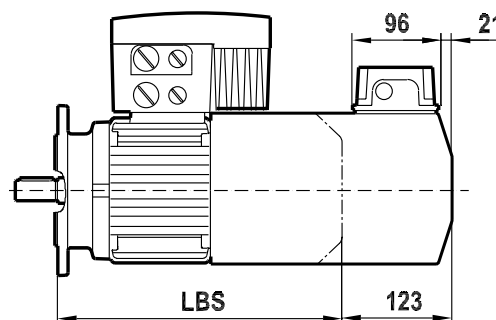
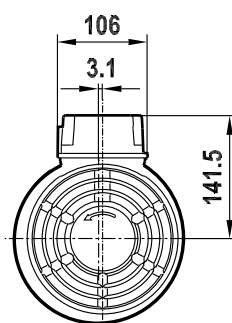
Z

LBS



Z

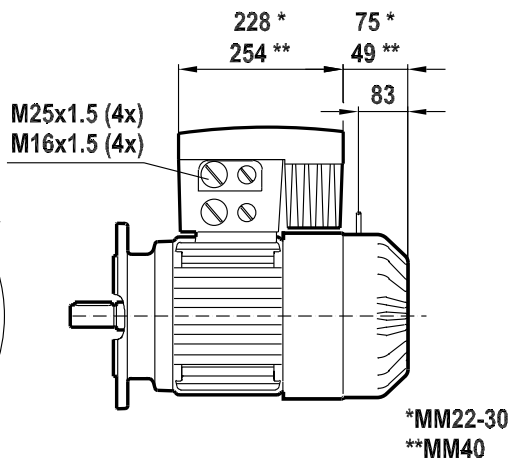
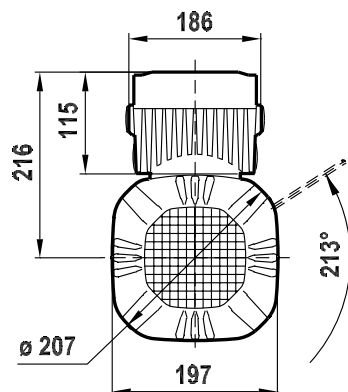
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LBS

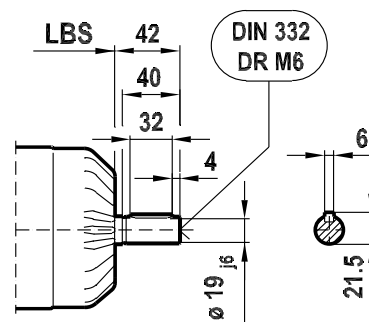
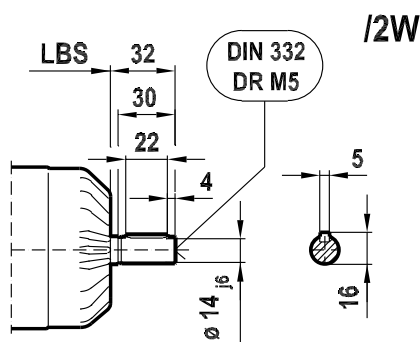
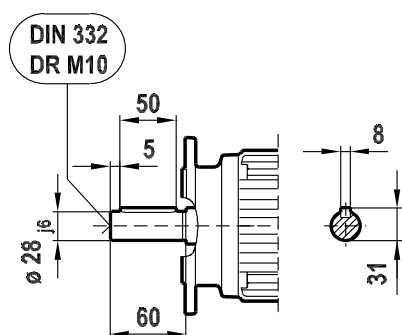
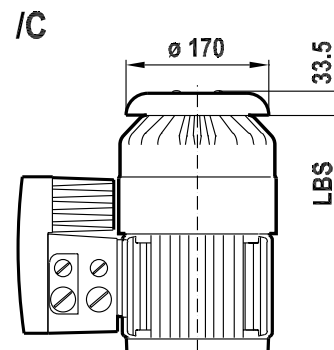
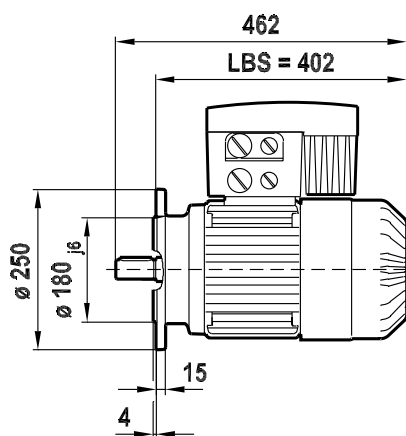
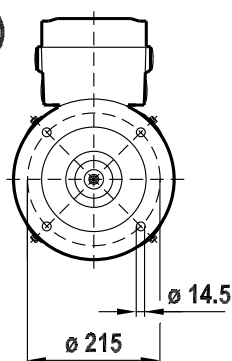
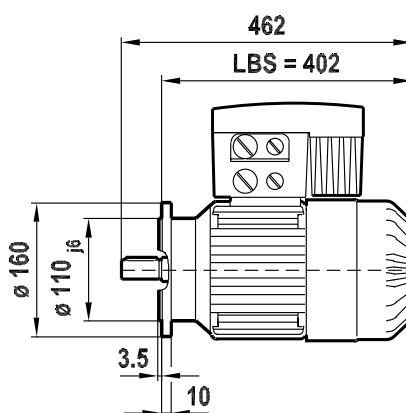
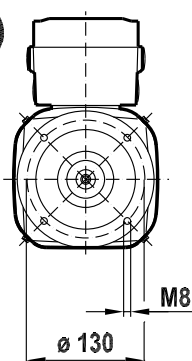
123

DRN100LS BE/MM-D

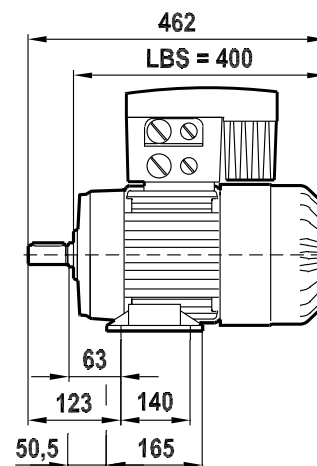
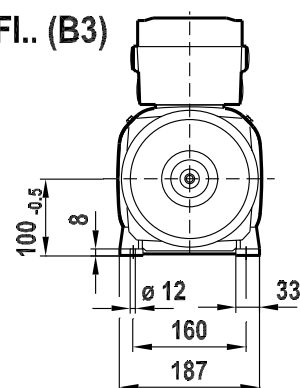


09 968 00 15

1 (2)

/FF (B5)
FF215/FT (B14)
FT130

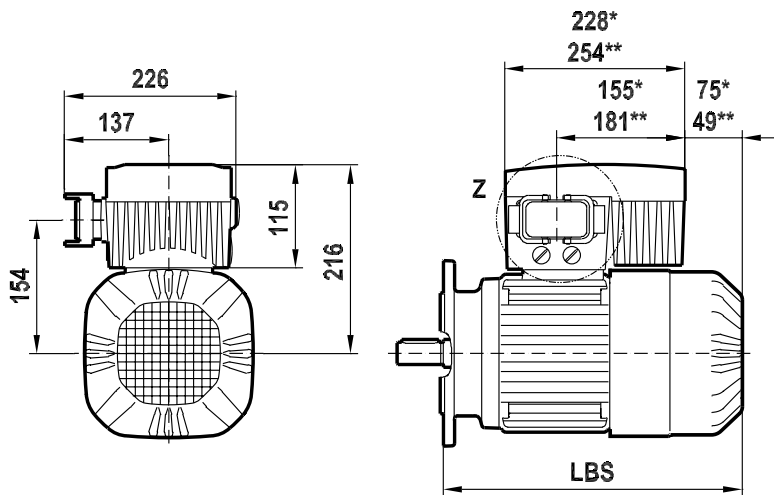
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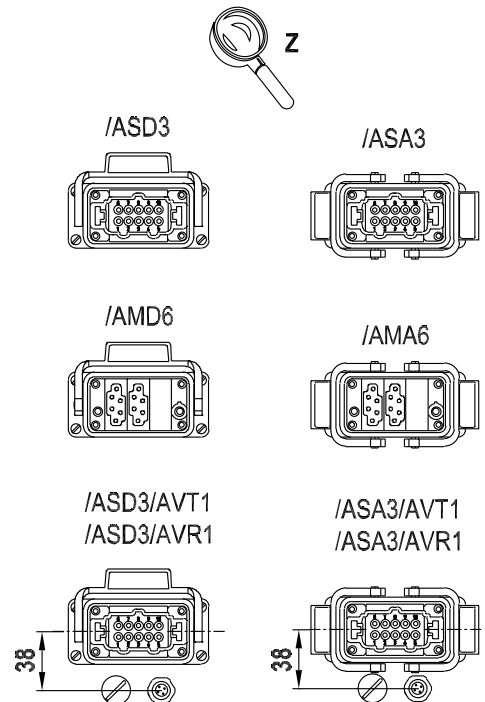
DRN100LS BE/MM-D

09 968 00 15
2 (2)

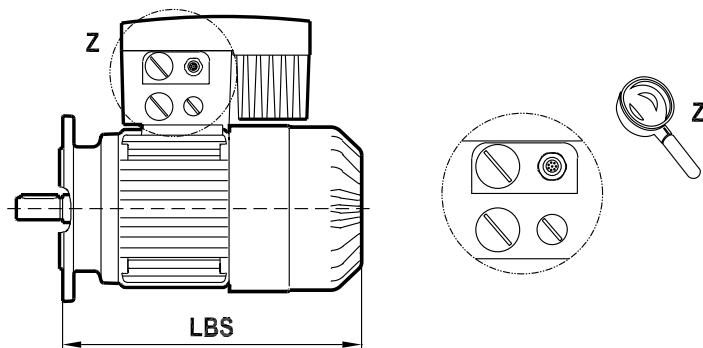
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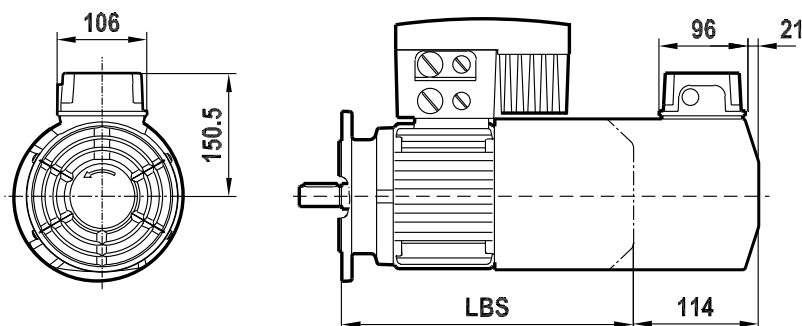
* MM22-30
** MM40



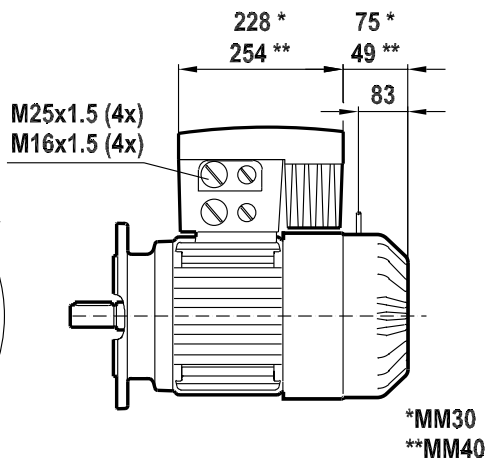
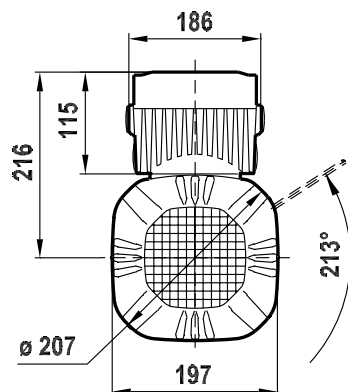
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/MM-D../V

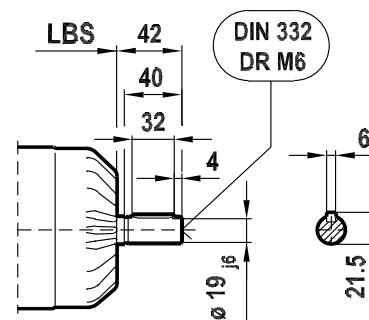
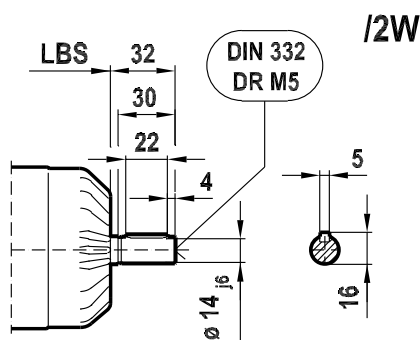
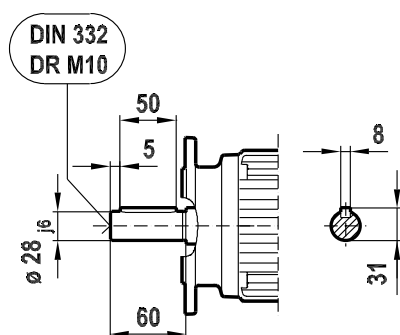
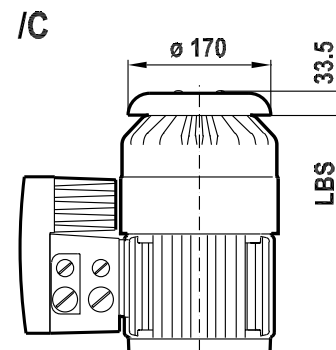
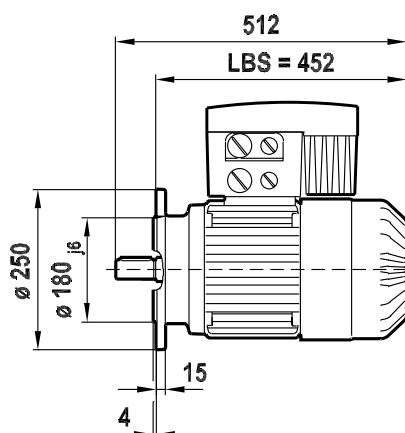
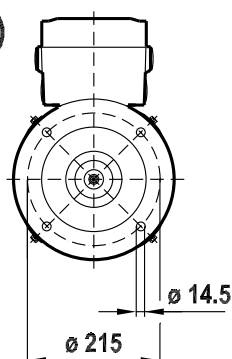
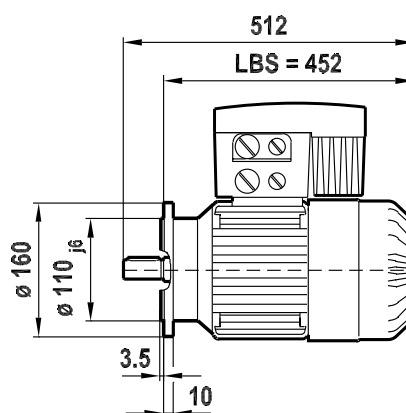
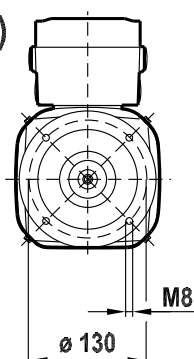


DRN100L BE/MM-D

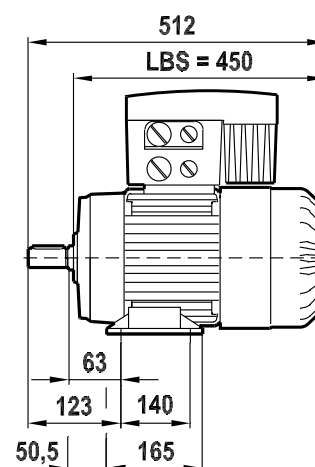
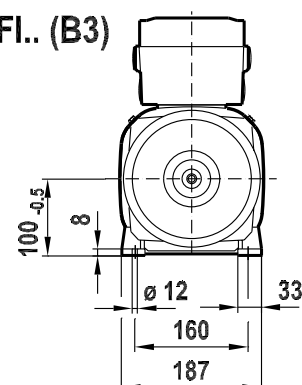


09 969 00 15

1 (2)

/FF (B5)
FF215/FT (B14)
FT130

/FI.. (B3)

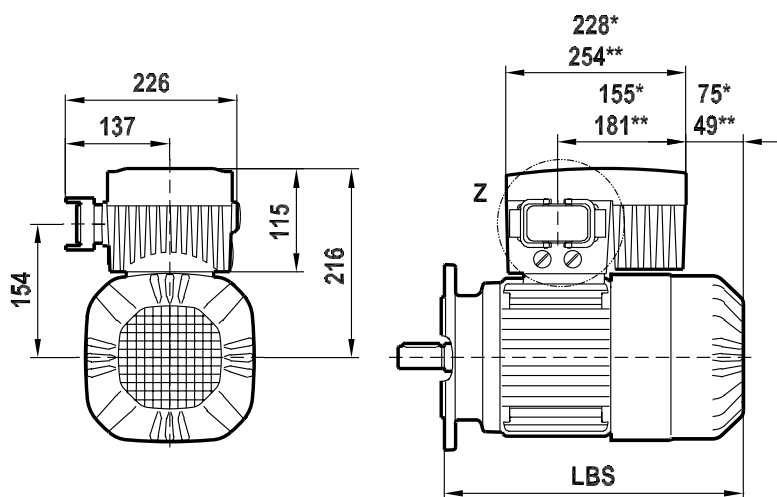


DRN100L BE/MM-D

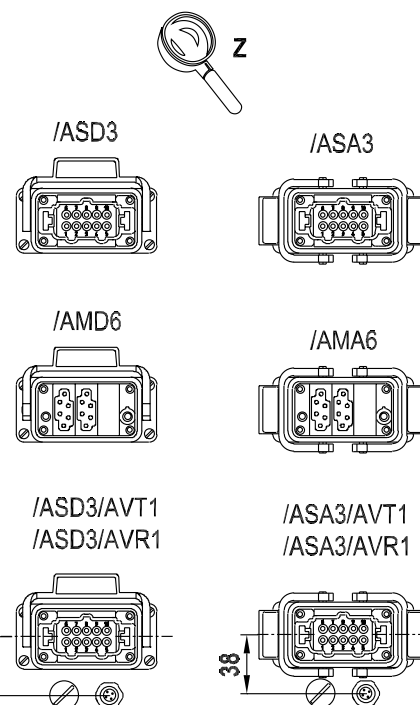
09 969 00 15

2 (2)

/MM-D../IV

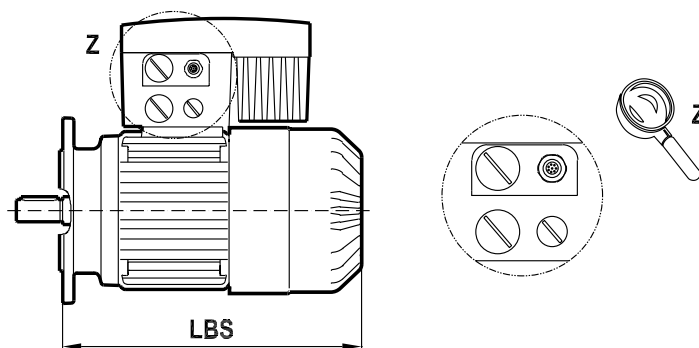


* MM30
** MM40

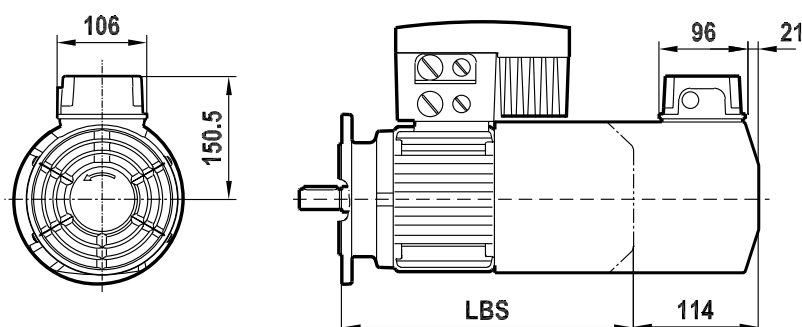


13

/MM-D../EI7./AV.E



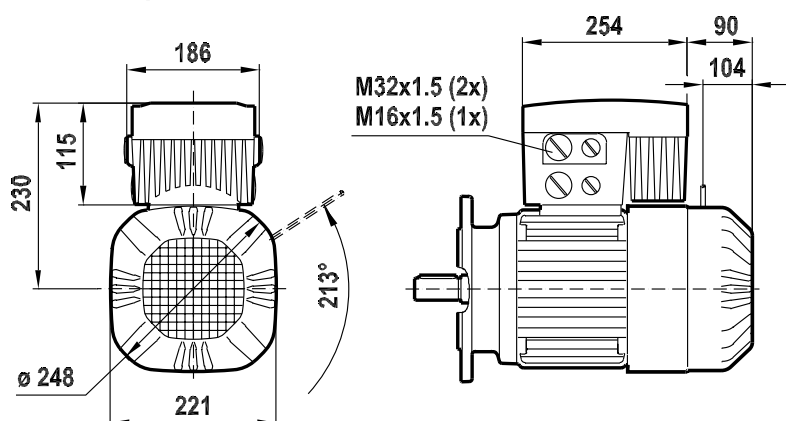
/MM-D../V



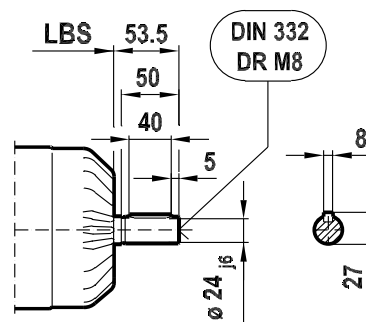
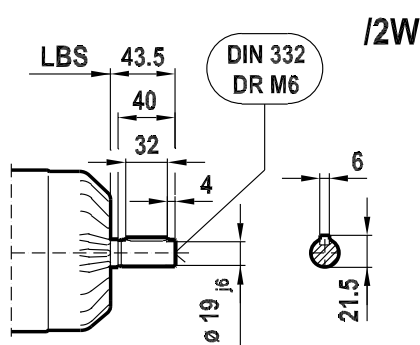
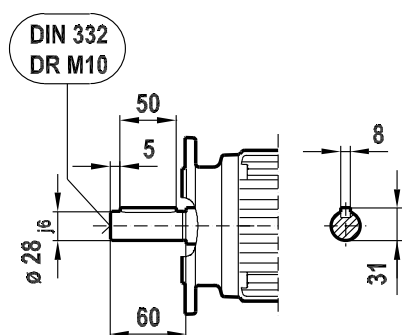
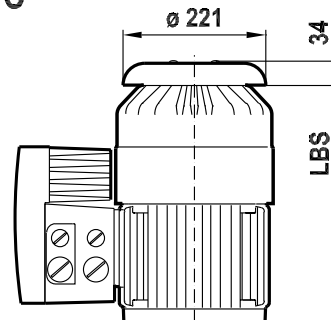
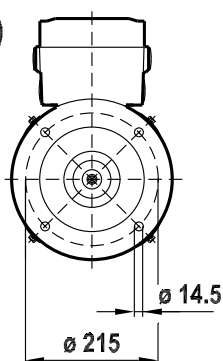
DRN112M BE/MM-D

09 970 00 15

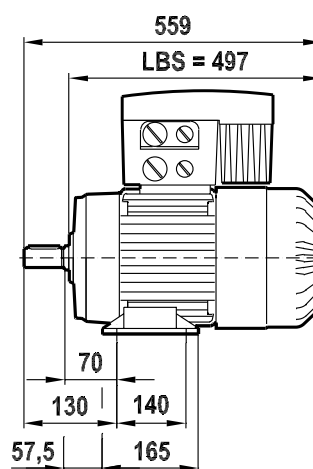
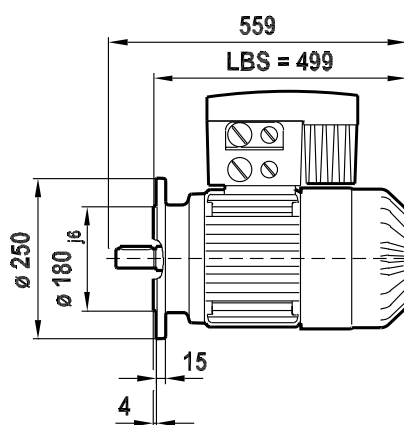
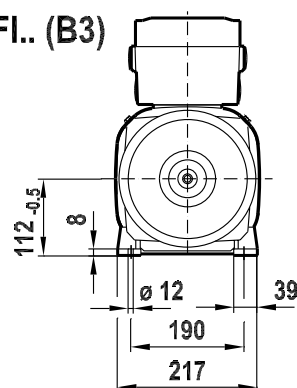
1 (2)



/C

/FF (B5)
FF215

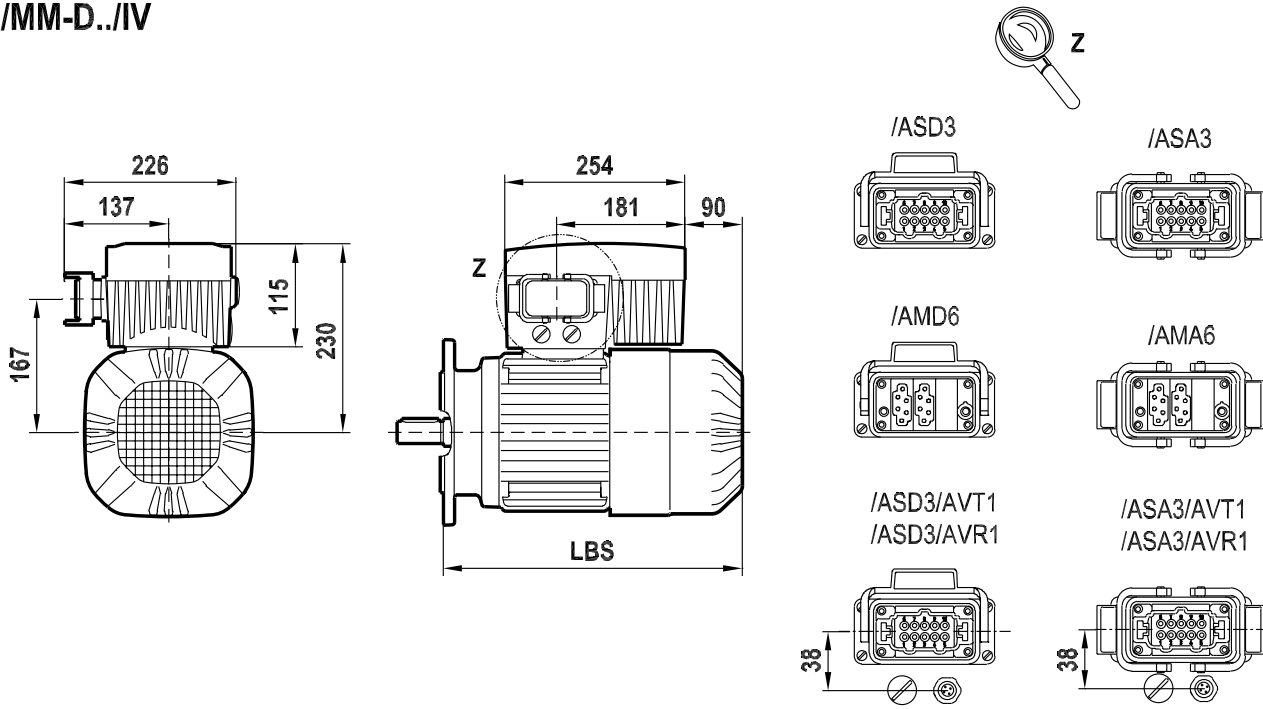
/FI.. (B3)



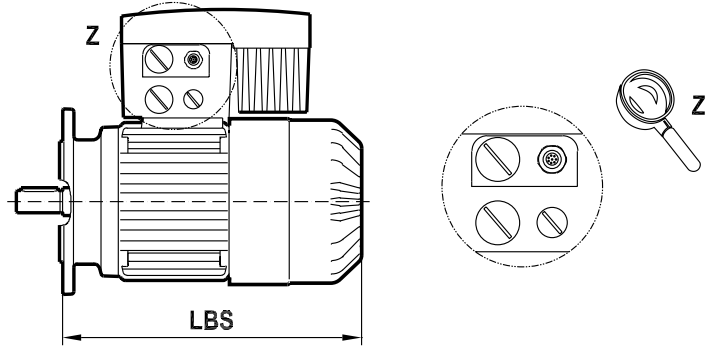
DRN112M BE/MM-D

09 970 00 15
2 (2)

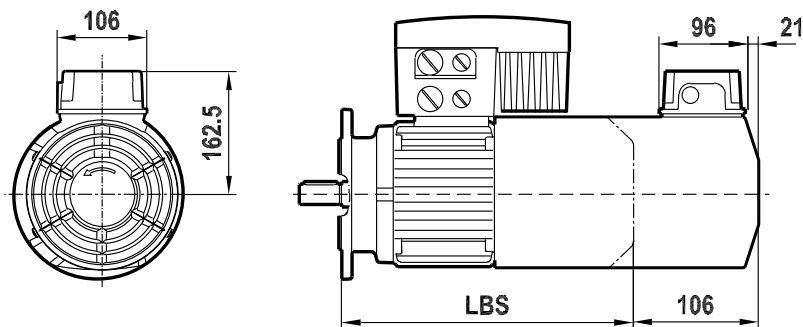
/MM-D../IV



/MM-D../EI7./AV.E



/MM-D../V



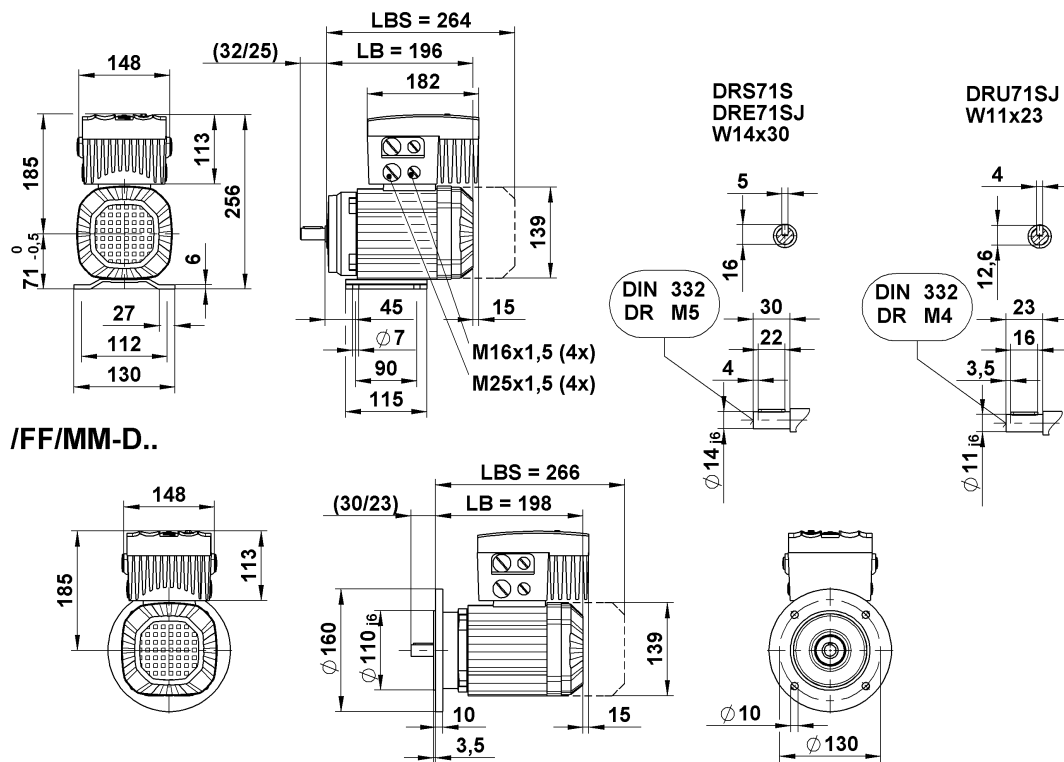
22148205/EN – 09/2016

13.6.3 Dimension sheets MOVIMOT® motors/brakemotors of the DRS..., DRE..., DRP..., DRU.. series

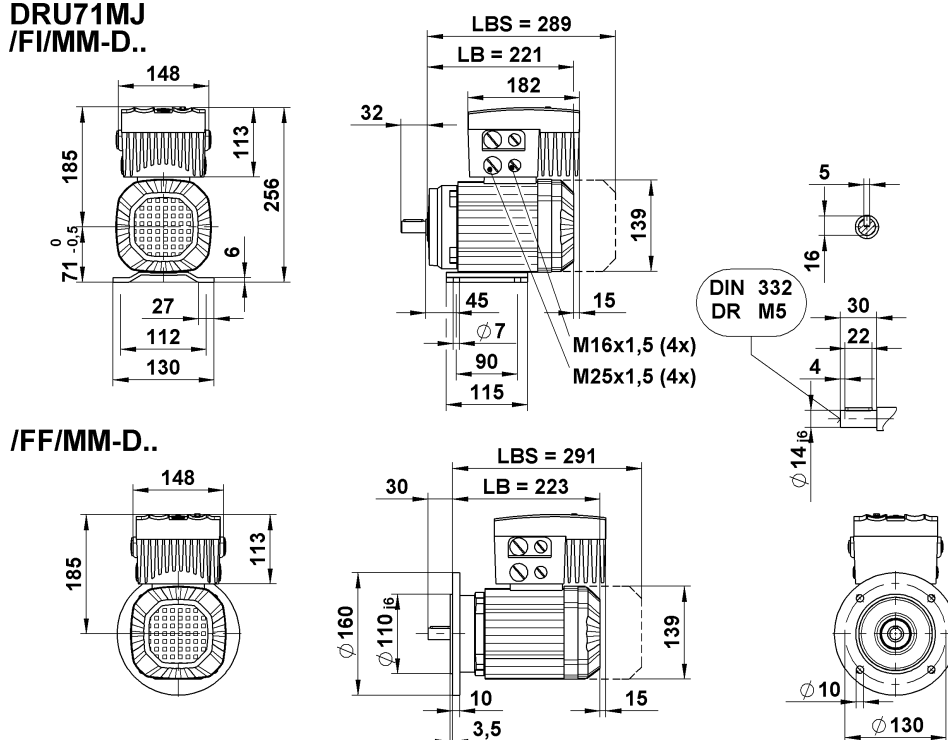
**DRS71S, DRE71SJ, DRU71SJ
/FI/MM-D..**

80 152 01 07

Bl. 1 (3)

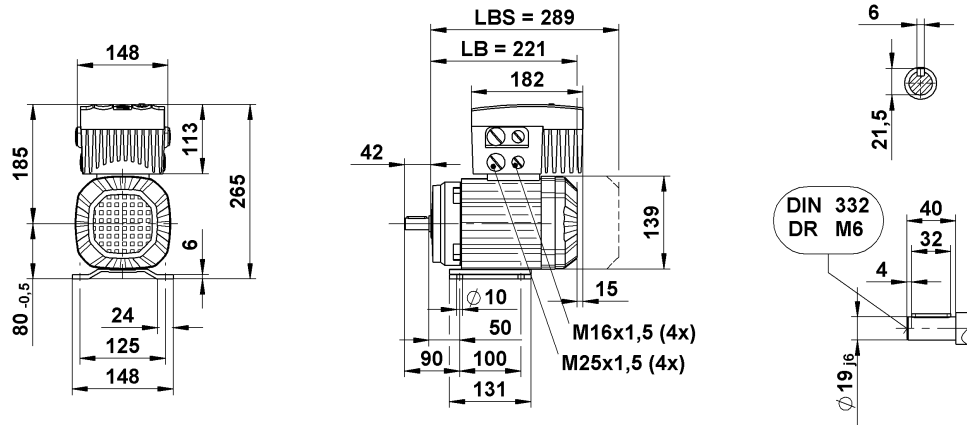


DRU71MJ
/FI/MM-D..

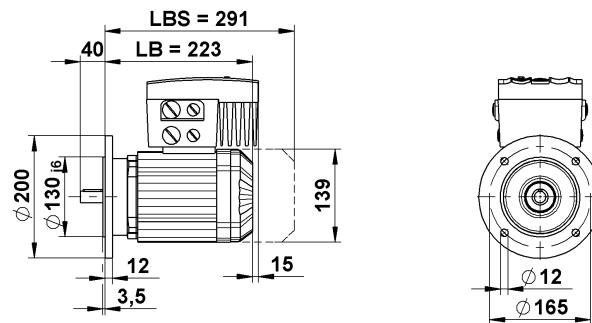


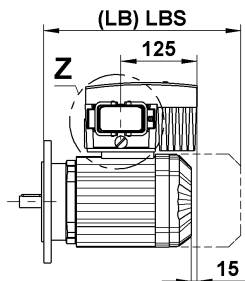
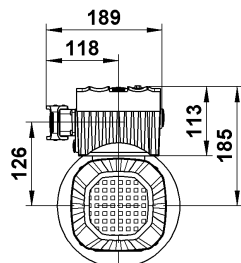
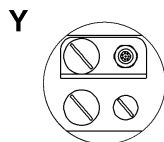
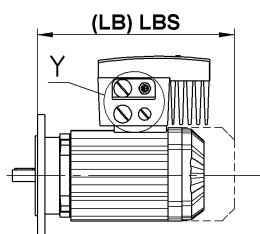
DRS71M
DRE71MJ
/FI/MM-D..

80 152 01 07
Bl. 2 (3)



/FF/MM-D..



DR.71..
/MM-D../MM-D../EI7./AVSE
/AVRE

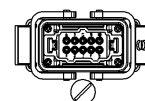
Z

80 152 01 07
Bl. 3 (3)

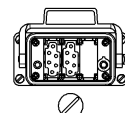
ASD3



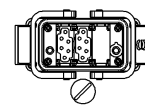
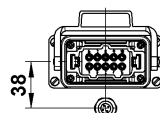
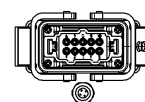
ASA3



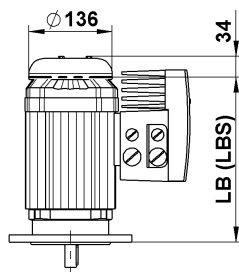
AMD6



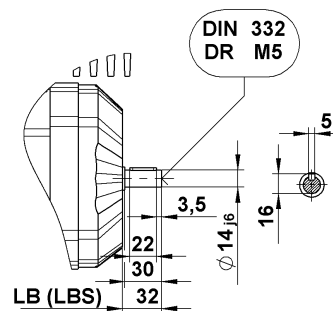
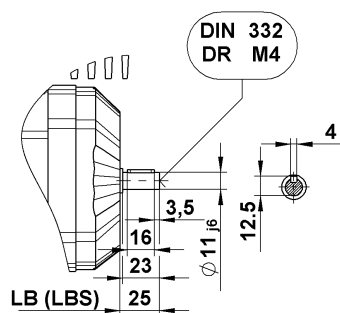
AMA6

ASD3+AVT1
ASD3+AVR1ASA3+AVT1
AS3+AVR1

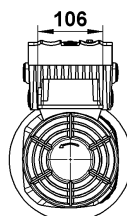
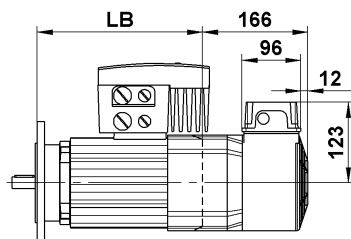
/C/MM-D..



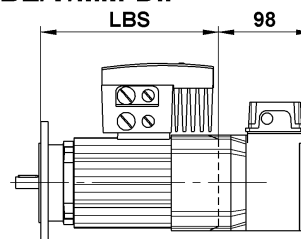
/2W/MM-D..



V/MM-D..

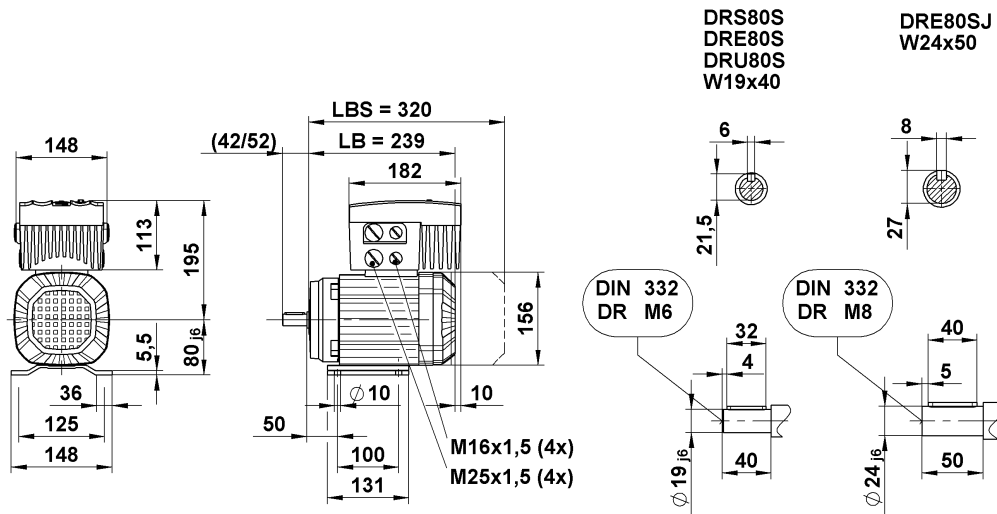


BE/V/MM-D..

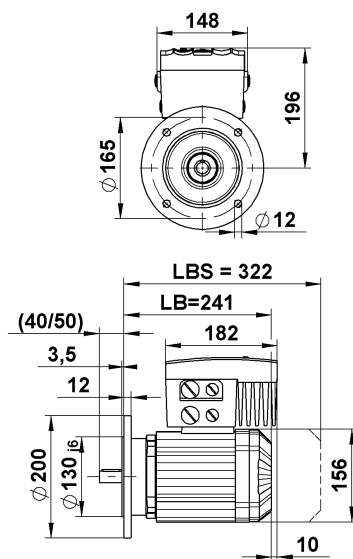
LB = (DR.71..MM..)
LBS = (DR.71.BE..MM..)

**DRS80S, DRE80S, DRU80SJ, DRE80SJ
/FI/MM-D..**

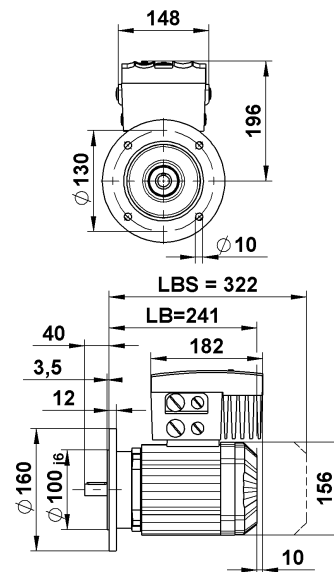
80 153 01 07
Bl. 1 (4)

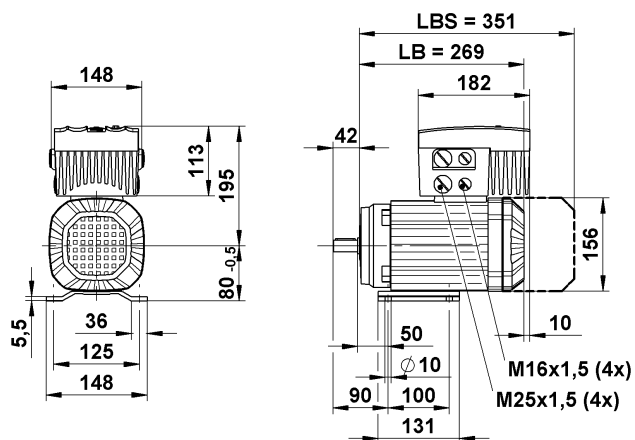
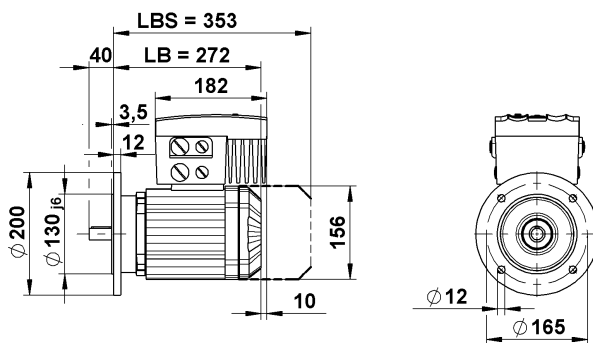


DRS80S, DRU80SJ, DRE80SJ
/FF165

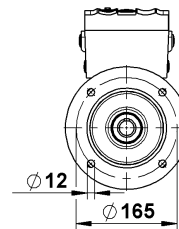


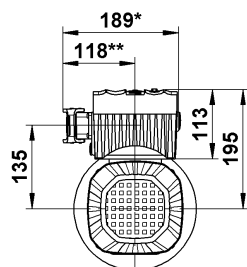
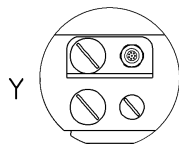
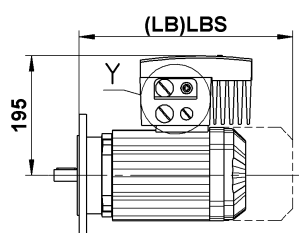
DRE80S
/FF130



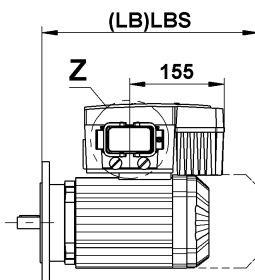
**DRE80M, DRU80MJ
/FI/MM-D..****80 153 01 07**
Bl. 2 (4)**/FF/MM-D..**

Bl. 3 (4)



DR.80..
/MM-D../MM-D../EI7./AVT1
/AVR1

MM22



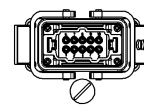
Z

80 153 01 07
Bl. 4 (4)

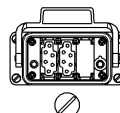
ASD3



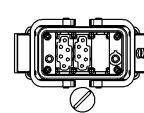
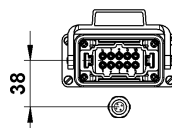
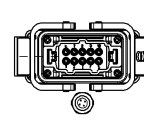
ASA3



AMD6

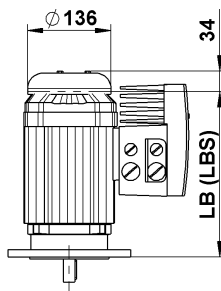
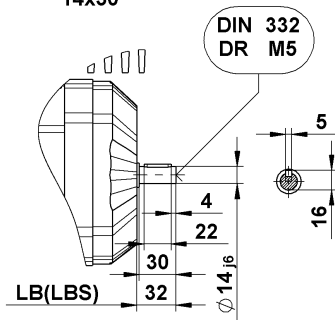
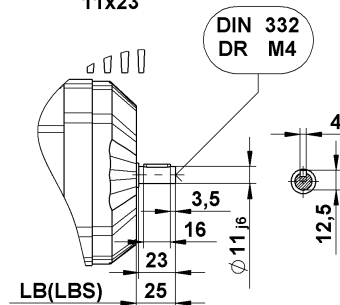


AMA6

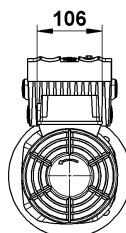
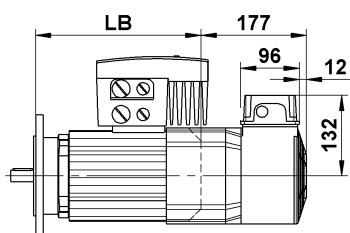
ASD3+AVT1
ASD3+AVR1ASA3+AVT1
ASA3+AVR1

*226, **137 (MM22)

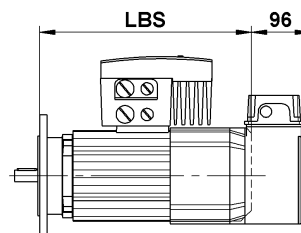
/C/MM-D..

/2W
14x30/2W
11x23

/V/MM-D..



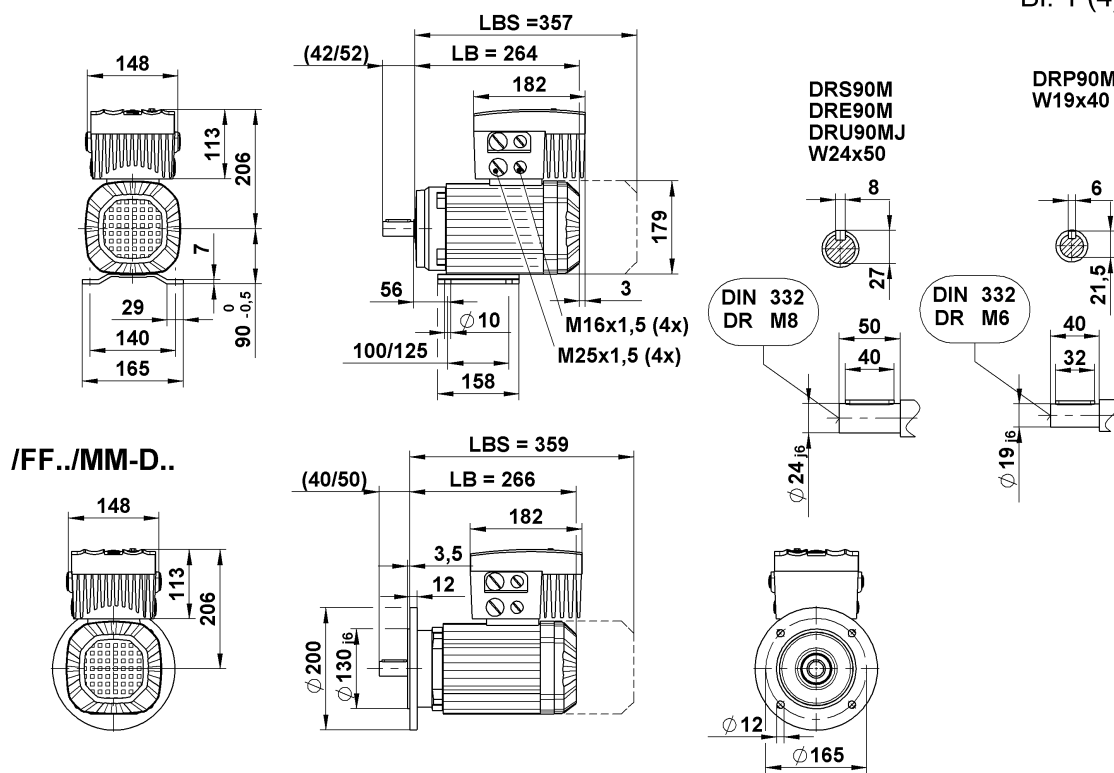
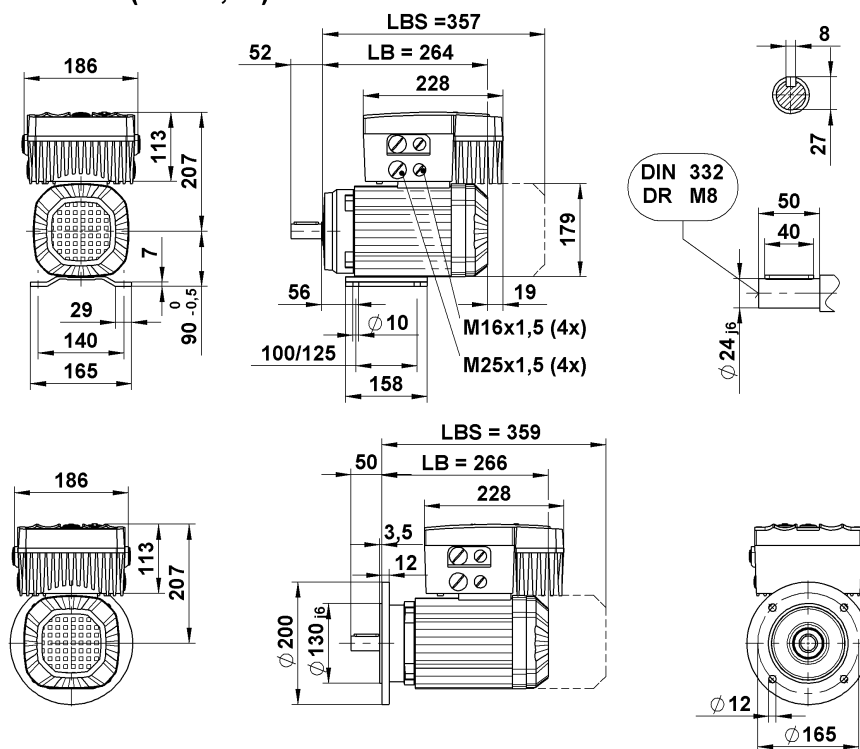
BE/V/MM-D..



LB = (DR.80../MM..)

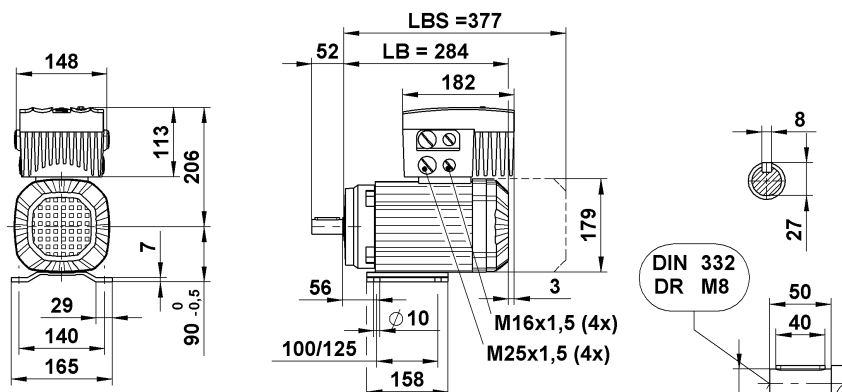
LBS = (DR.80.BE../MM..)

DRP90M, DRS90M, DRE90M, DRU90MJ
/FI../MM-D.. (MM07,11,15)

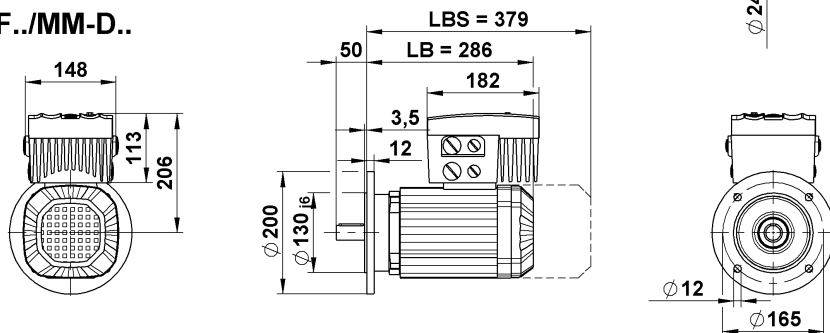
 80 158 01 07
 Bl. 1 (4)

DRS90M, DRE90M, DRU90MJ
/FI../MM-D.. (MM22,30)


**DRP90L,DRE90L,DRU90LJ
/FI../MM-D.. (MM11,15)**

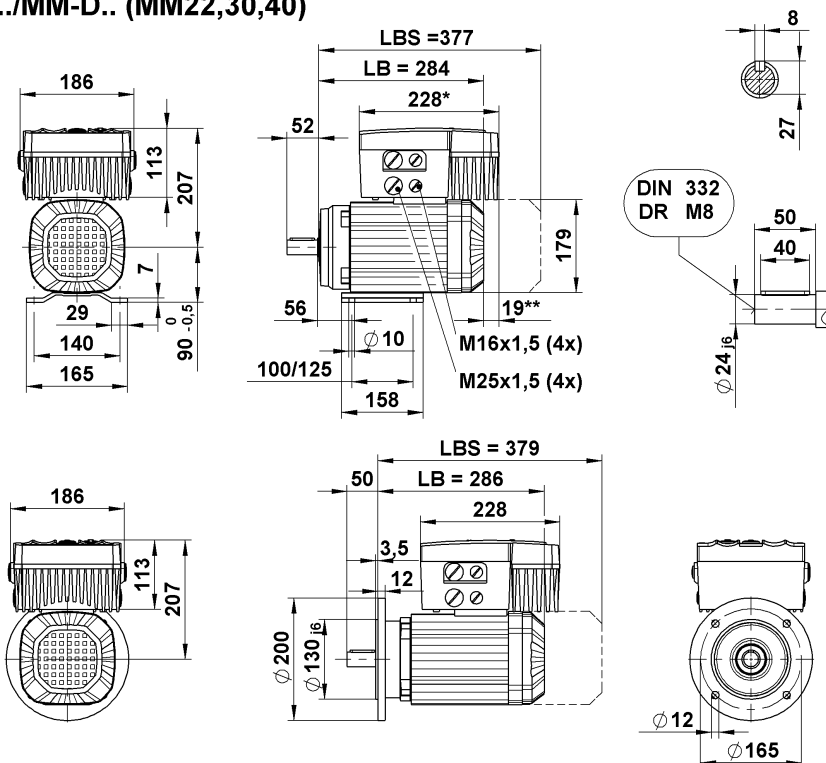
80 158 01 07
Bl. 2 (4)



/FF../MM-D..



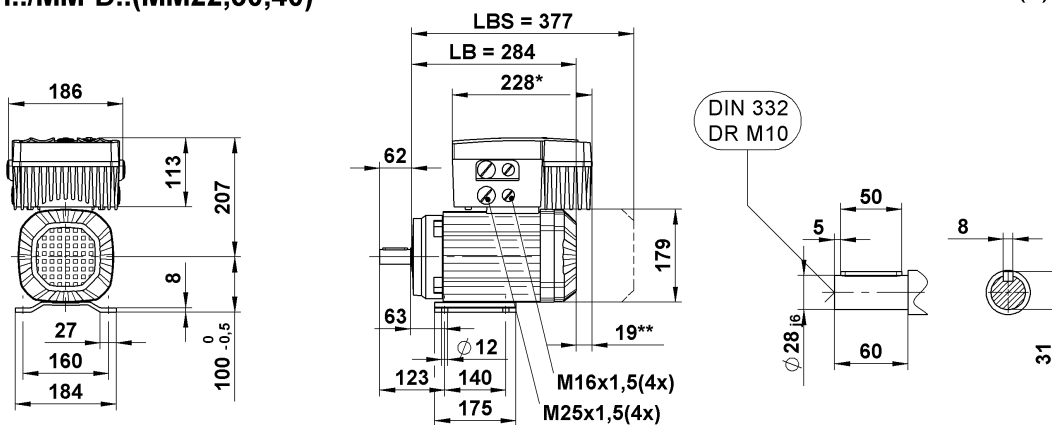
**DRE90L,DRP90L,DRU9LJ
/FI../MM-D.. (MM22,30,40)**



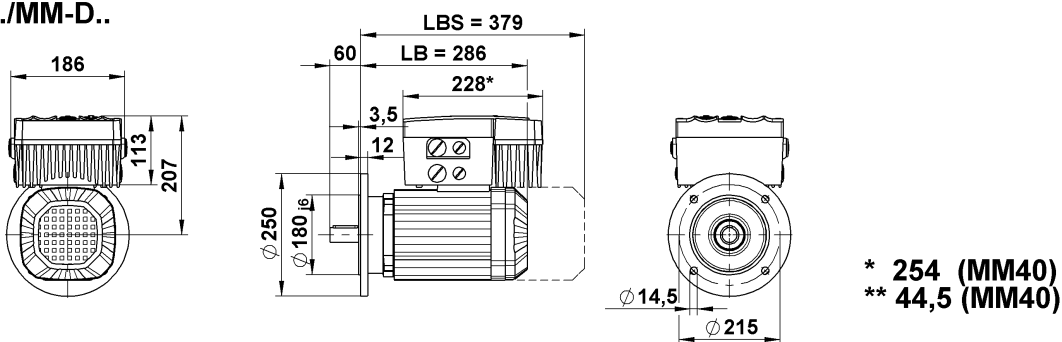
***254 (MM40)**
****45 (MM40)**

DRS90L
DRE90LJ
 /FI../MM-D..(MM22,30,40)

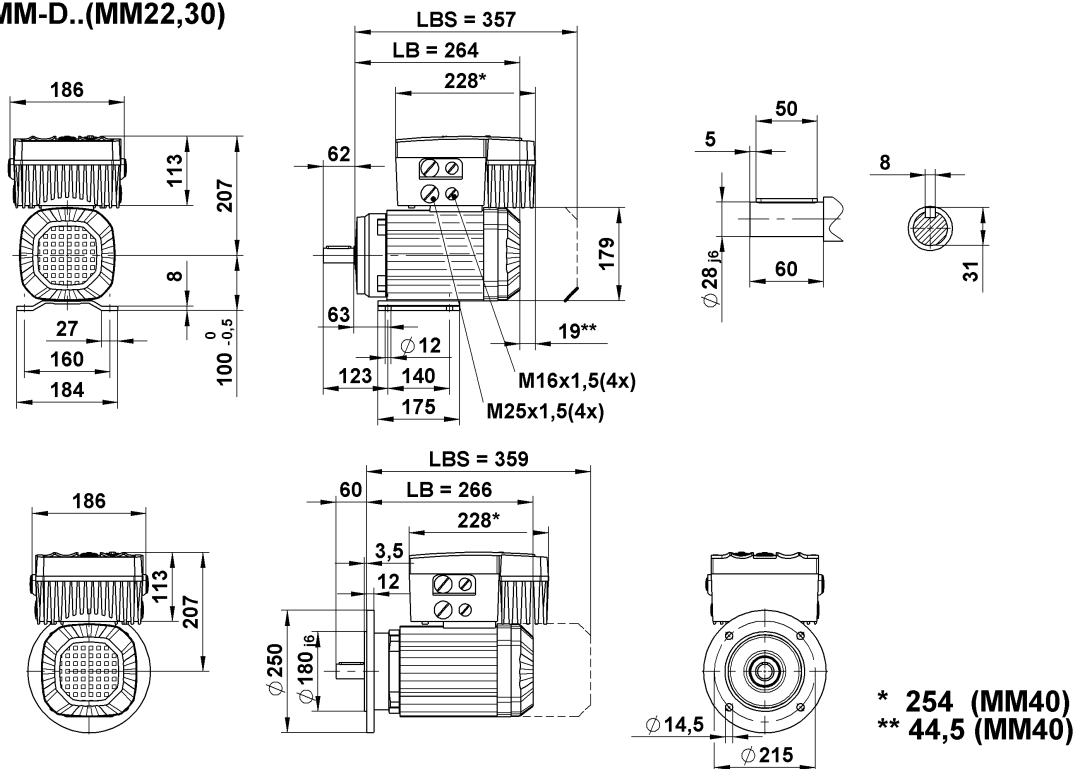
80 158 01 07
 Bl. 3 (4)

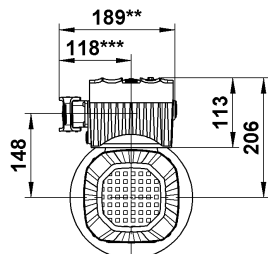
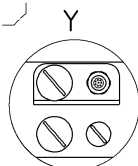
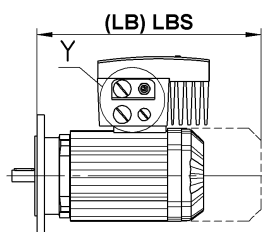


/FF../MM-D..

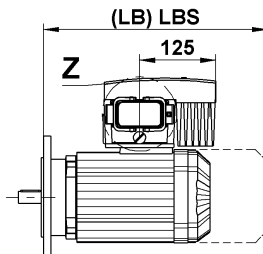


DRE90MJ
 /FI../MM-D..(MM22,30)

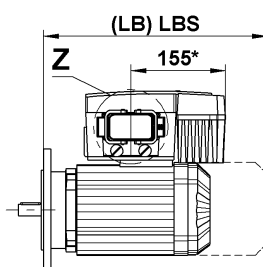


DR.90M,L
MM-D../MM-D../EI7./AVSE
/AVRE

MM11,15



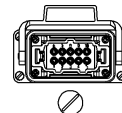
MM22,30,40



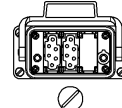
Z

80 158 01 07
Bl. 4 (4)

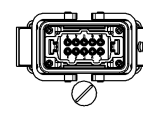
ASD3



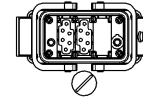
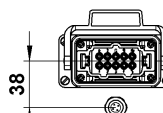
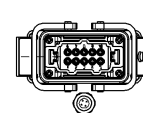
AMD6



ASA3



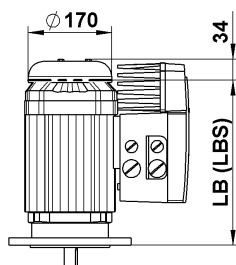
AMA6

ASD3+AVT1
ASD3+AVR1ASA3+AVT1
ASA3+AVR1

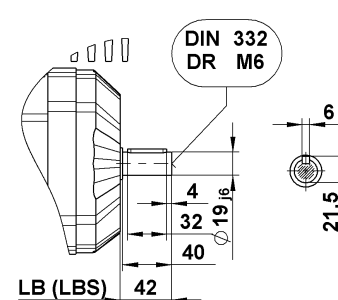
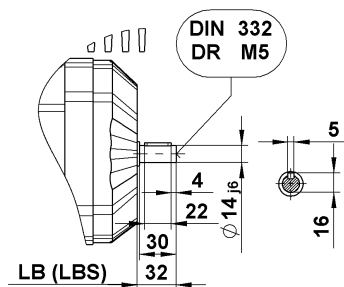
*181 (MM40)

226,*137 (MM22,30,40)

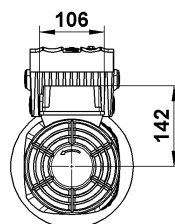
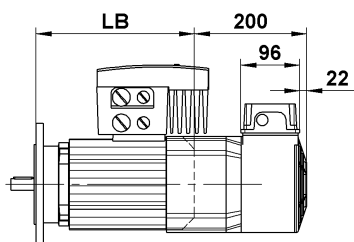
/C/MM-D..



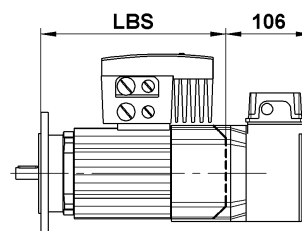
/2W/MM-D..



/V/MM-D..

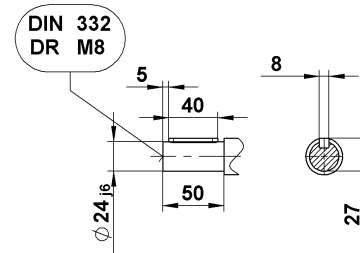
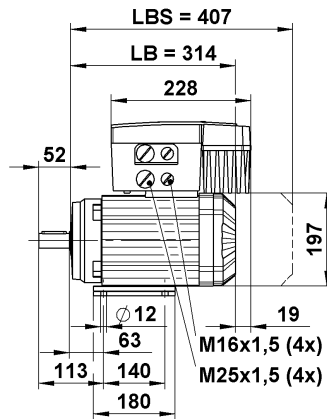
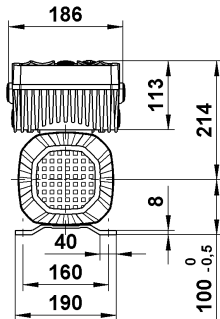


BE/V/MM-D..

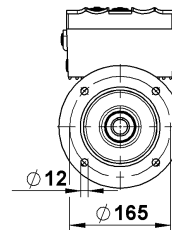
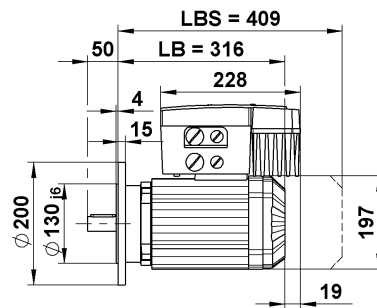
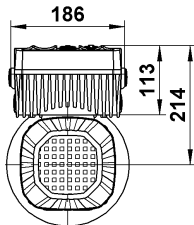
LB = (DR.90..MM..)
LBS = (DR.90.BE..MM..)

DRP100M
FI../MM-D..(MM22,30)

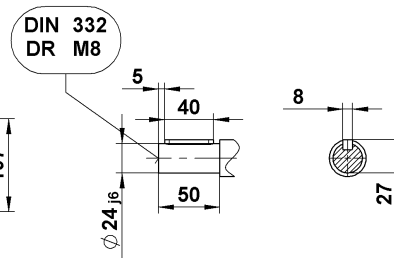
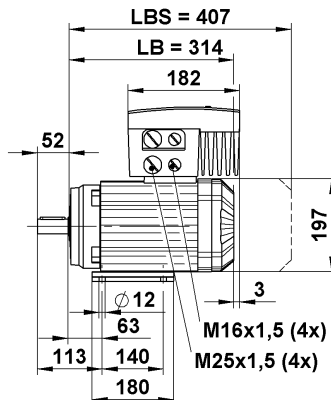
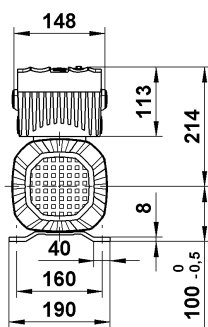
80 161 01 07
Bl. 1 (4)



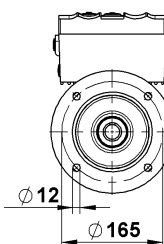
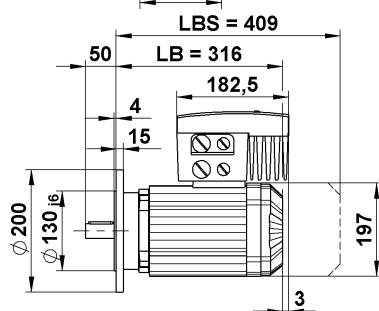
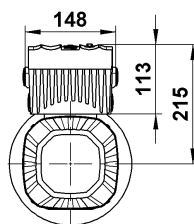
/FF../MM-D..

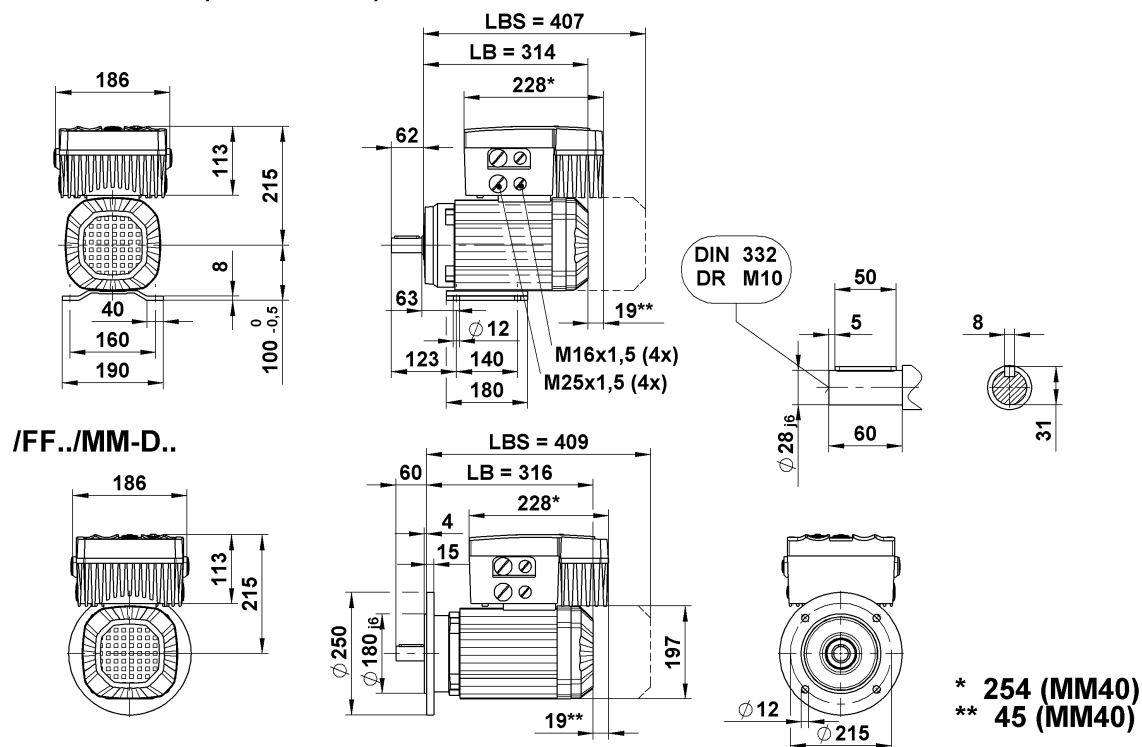
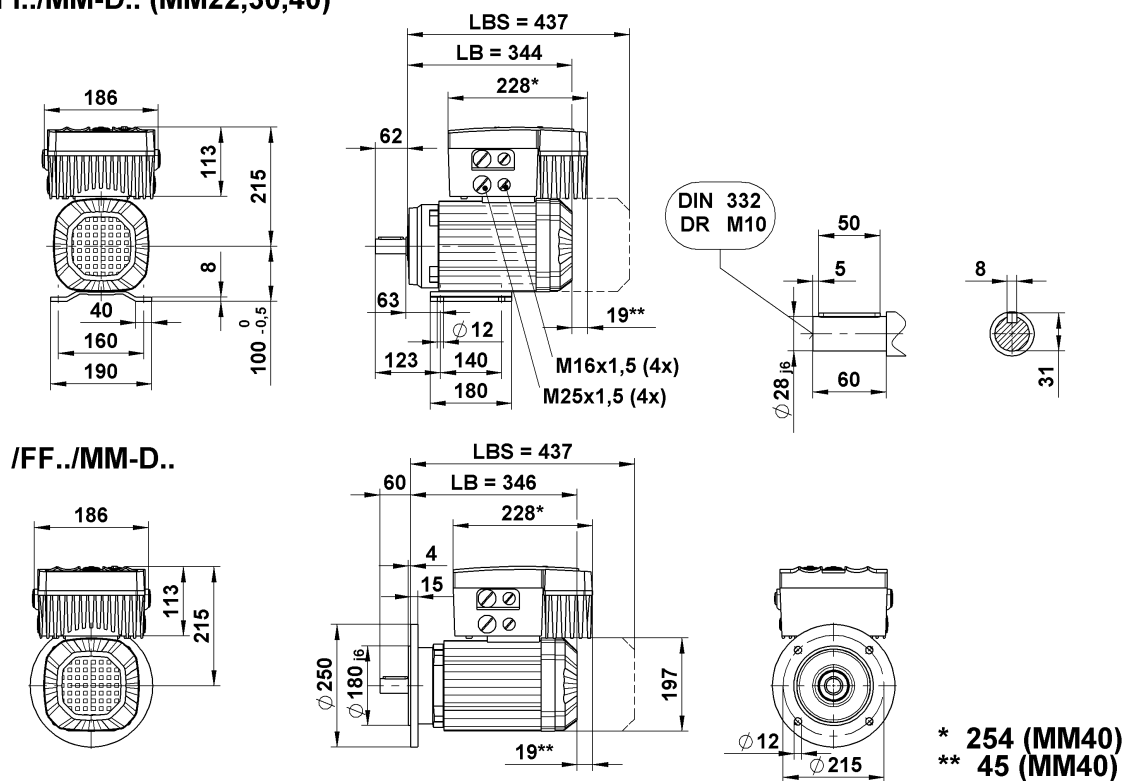


DRP100M
FI../MM-D..(MM15)



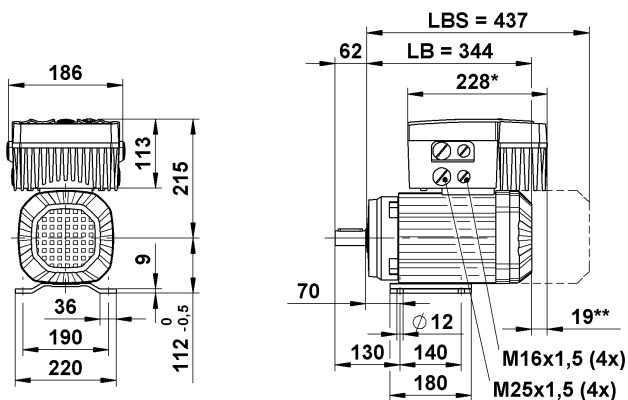
/FF../MM-D..



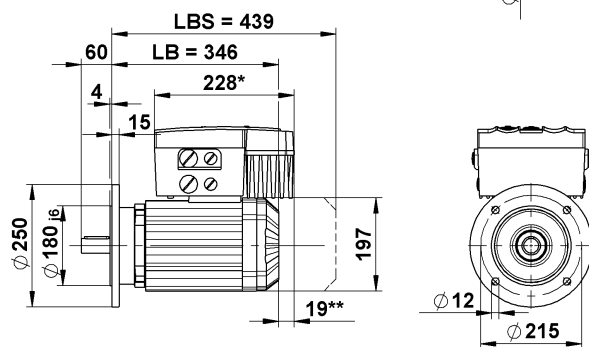
DRS100M, DRE100M, DRE100MJ, DRU100MJ
/FI../MM-D.. (MM22,30,40)
80 161 01 07
Bl. 2 (4)

DRP100L, DRE100L, DRE100LC, DRU100LJ
/FI../MM-D.. (MM22,30,40)


DRS100LC
/FI../MM-D..

80 161 01 07
Bl. 3 (4)

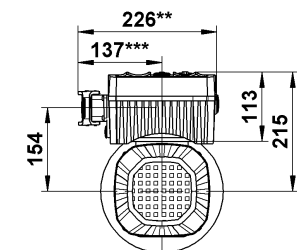


/FF../MM-D..

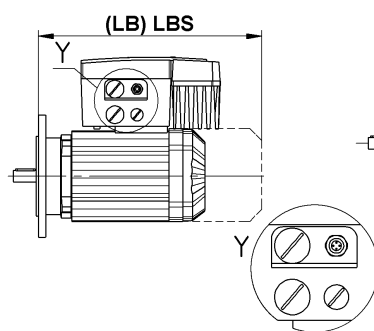


* 254 (MM40)
** 44,5 (MM40)

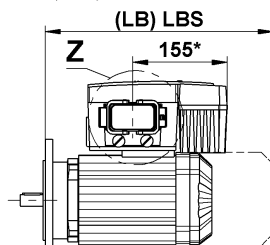
DR.100..
/MM-D../ IV



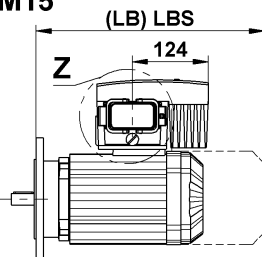
/MM-D../EI7./AVSE
/AVRE



MM22,30,40

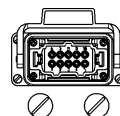


MM15

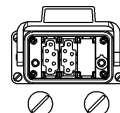


80 161 01 07
Bl. 4 (4)

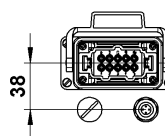
ASD3



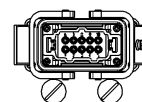
AMD6



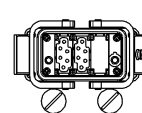
ASD3+AVT1 ASD3+AVR1



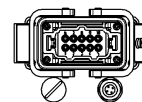
ASA3



AMA6

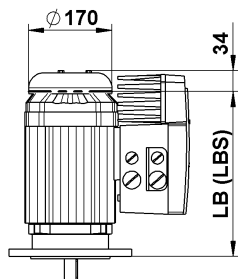


ASA3+AVT1 ASA3+AVR1

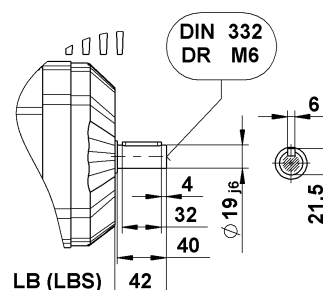
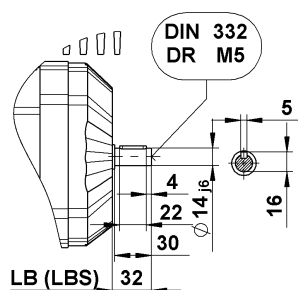


189, *118 (MM15)
*181 (MM40)

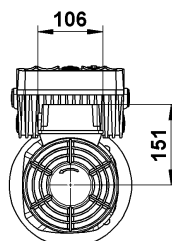
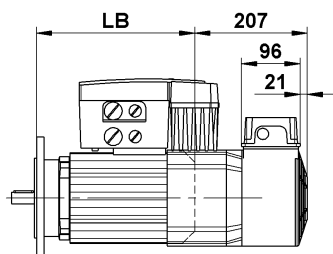
/C/MM-D..



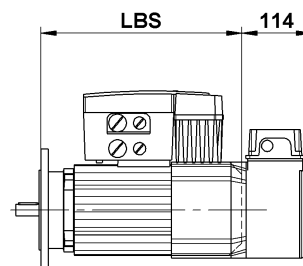
/2W/MM-D..



/V/MM-D..



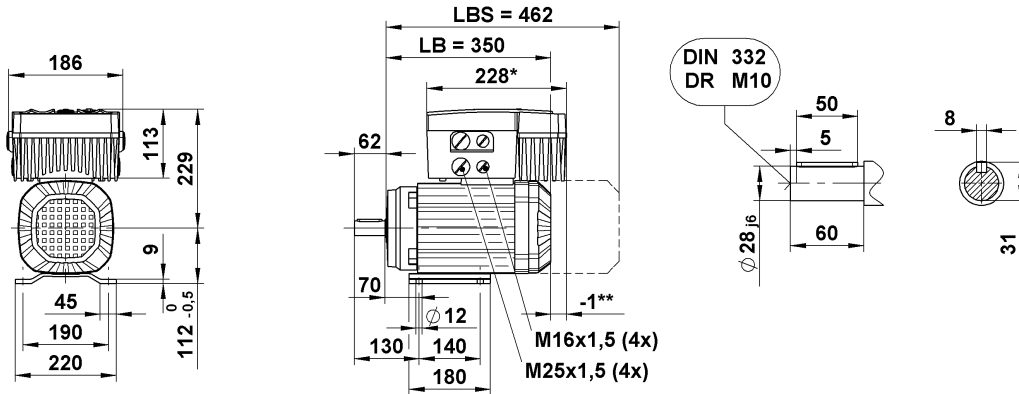
BE/V/MM-D..



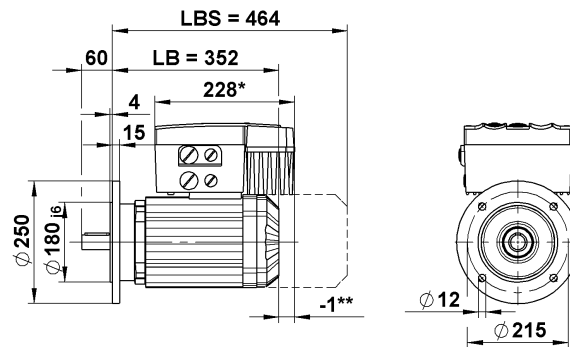
LB = (DR.100..MM..
LBS = (DR.100.BE..MM..)

DRP112M
/FI../MM-D..

80 162 01 07
Bl. 1 (2)



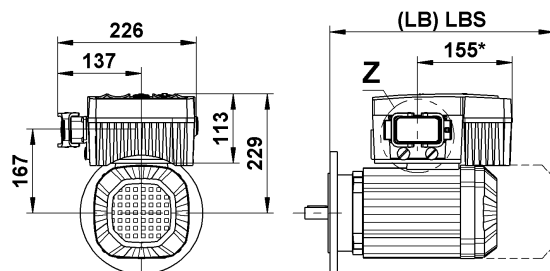
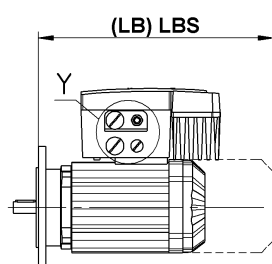
/FF../MM-D..



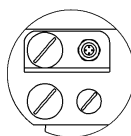
* 254 (MM40)
** 25 (MM40)

DR.112.
/MM-D..80 162 01 07
Bl. 2 (2)

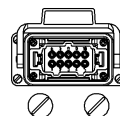
Z

/MM-D../EI7./AVSE
/AVRE

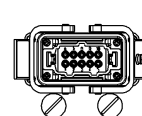
Y



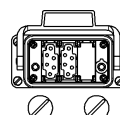
ASD3



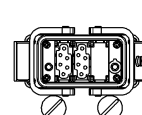
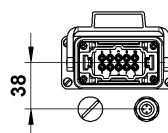
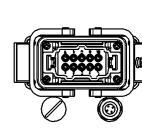
ASA3



AMD6



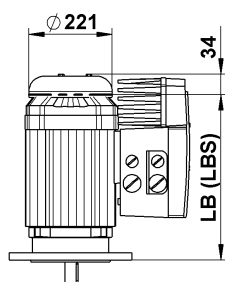
AMA6

ASD3+AVT1
ASD3+AVR1ASA3+AVT1
ASA3+AVR1

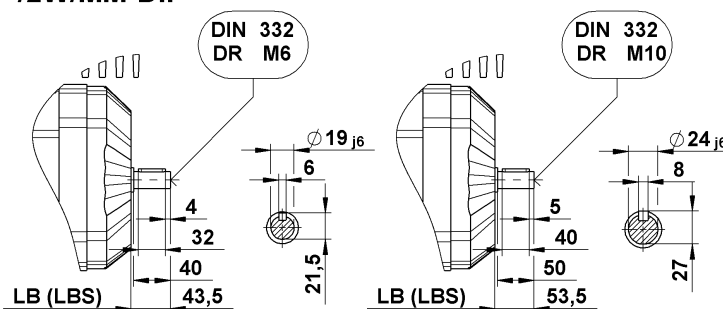
38

* 181 (MM40)

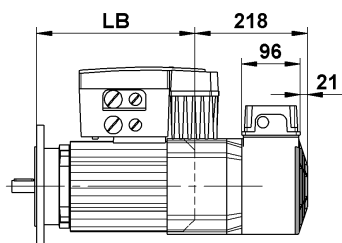
/C/MM-D..



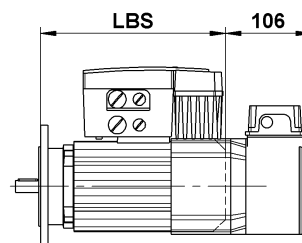
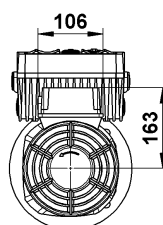
/2W/MM-D..



/V/MM-D..

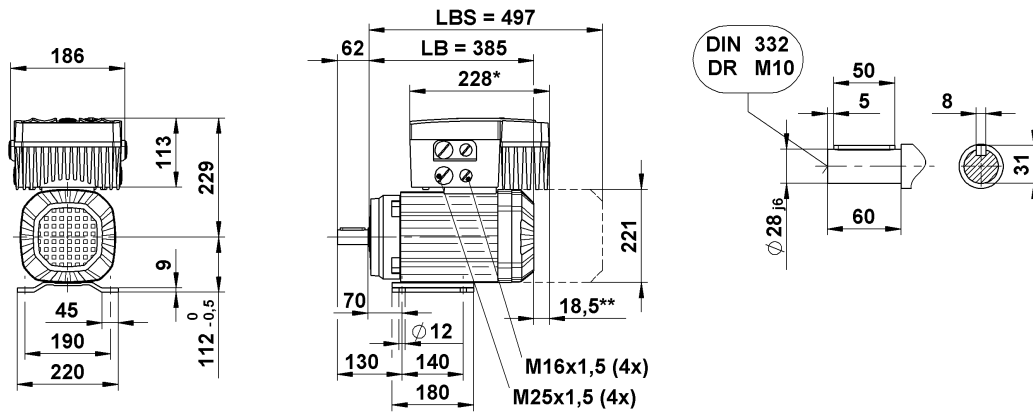


BE/V/MM-D..

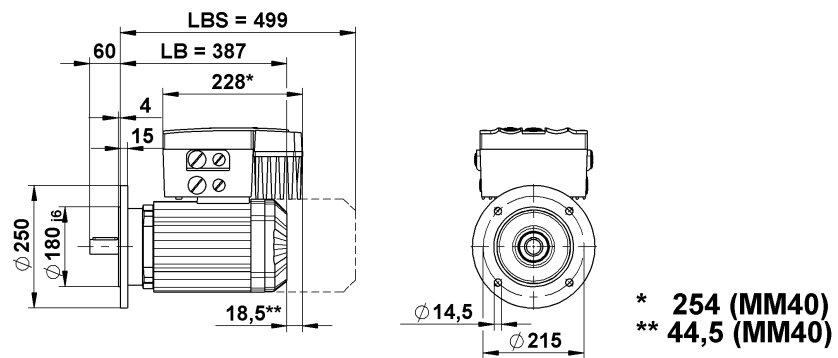
LB = (DR.112..MM..)
LBS = (DR.112.BE..MM..)

DRE132S/Fl../MM-D..

80 165 01 07
Bl. 1 (2)

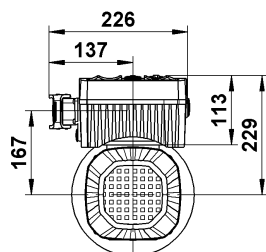
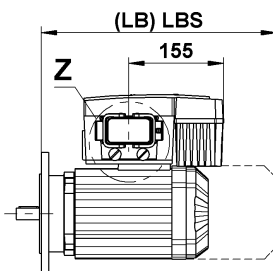


/FF../MM-D..



DR.132.
/MM-D..80 165 01 07
Bl. 2 (2)

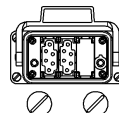
Z

/MM-D../AVSE
/AVRE

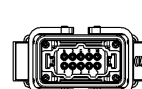
ASD3



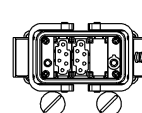
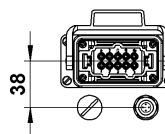
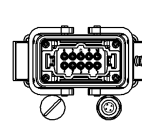
AMD6



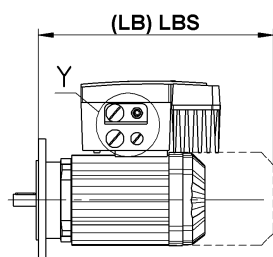
ASA3



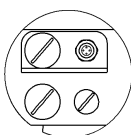
AMA6

ASD3+AVT1
ASD3+AVR1ASA3+AVT1
ASA3+AVR1

* 181 (MM40)

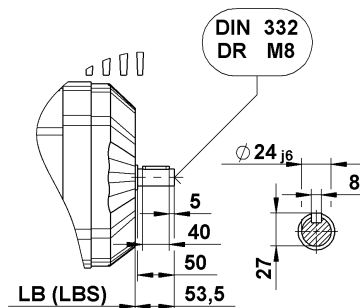
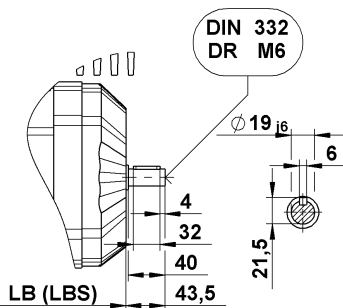
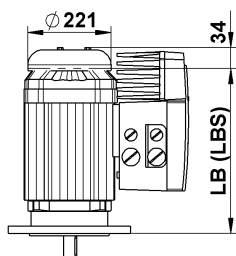


Y



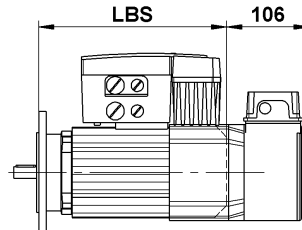
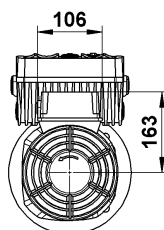
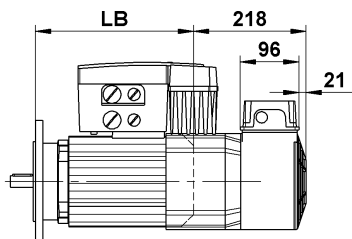
/C/MM-D..

/2W/MM-D..



/V/MM-D..

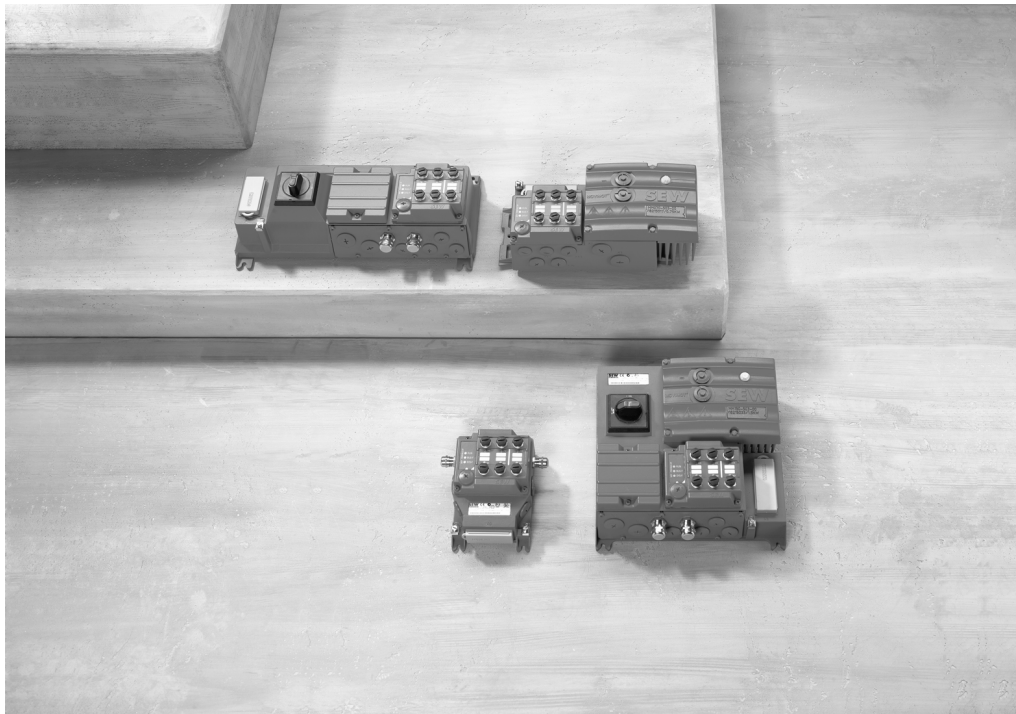
BE/V/MM-D..

LB = (DR.132..MM..)
LBS = (DR.132.BE..MM..)

13.7 Fieldbus interfaces

13.7.1 Description

The following figure shows field distributors from SEW-EURODRIVE:



13883616139

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Fieldbus interfaces MF../MQ..

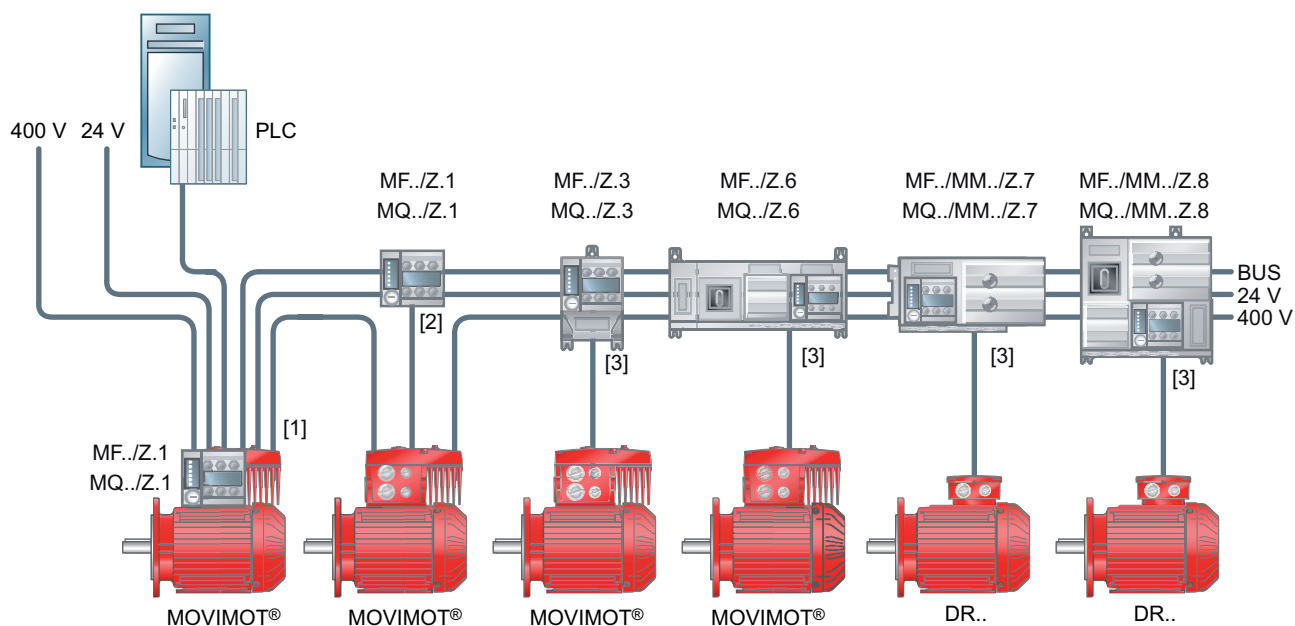
Type MF.. fieldbus interfaces allow for connecting MOVIMOT® and MOVI-SWITCH® drives to a standardized fieldbus system. These fieldbus interfaces not only allow for controlling MOVIMOT® and MOVI-SWITCH® drives, but also for reading sensor signals as well as controlling actuators via the digital output terminals. All fieldbus interfaces and field distributors are supplied in IP65 degree of protection as standard.

Type MQ.. fieldbus interfaces are based on the same housing and fieldbus technology as type MF.. fieldbus interfaces but are additionally equipped with an integrated control featuring the following functions:

- Programmable via IPOS^{plus}®
- Simple positioning with EI76 incremental encoder
- Integrated I/O preprocessing and timing elements
- Protocol modification

Installation topology

The following figure shows the installation topology of MOVIMOT® with fieldbus interfaces MF../MQ.. and field distributors:

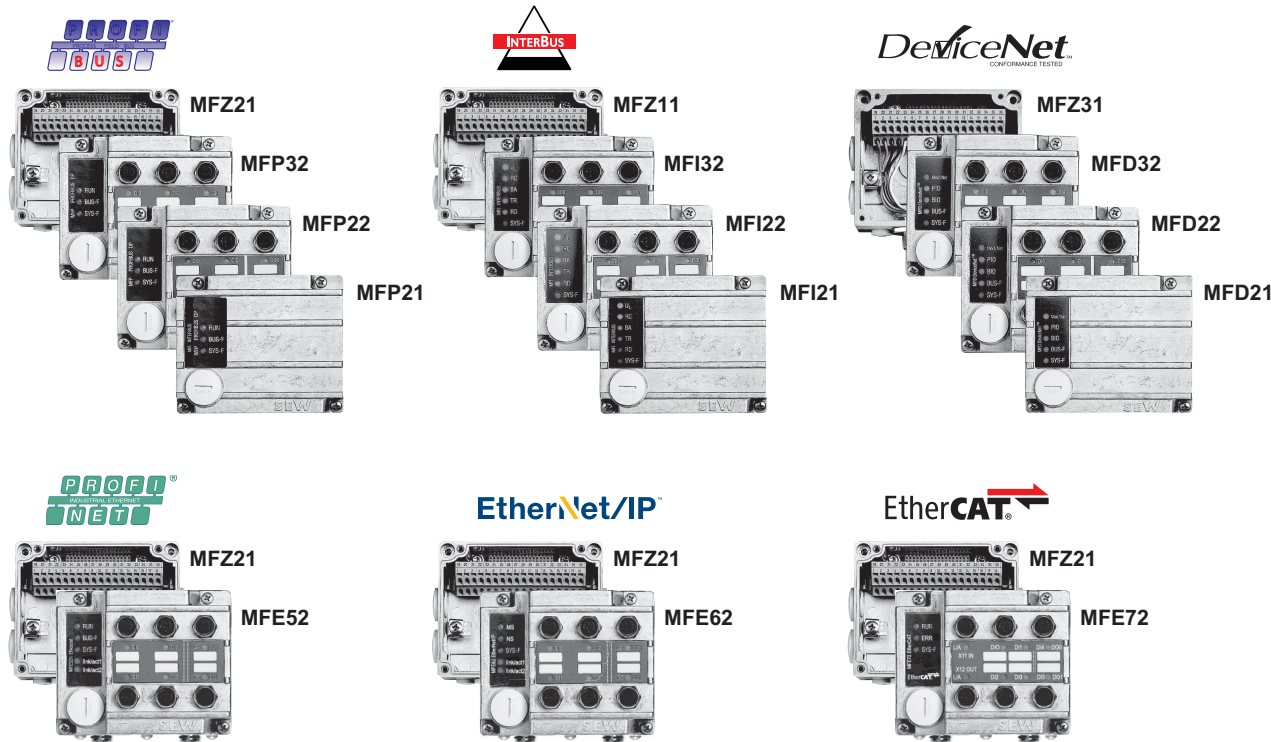


5068858507

- [1] Fieldbus interface of the drive
- [2] Fieldbus interface in the field
- [3] Fieldbus interface of the field distributor

13.7.2 MF../Z.1 fieldbus interfaces

The following figure shows the dimensions of the fieldbus interface MF../Z.1:



27021599177731467

PROFIBUS variants

The following figure shows the PROFIBUS variants of the fieldbus interface MF../Z.1:

Module type	MFP21D	MFP22D	MFP32D
Part number	8236240	8236259	8236267
Connection technology for sensors/actuators	Terminals	M12 and terminals	M12 and terminals
Digital inputs	4	4	6
Digital outputs	2	2	0
Associated module terminal box	MFZ21D or MFZ21D/AVT2/AWT2		
Part number	8236275 or 8242992		
Fieldbus connection technology	Terminals or M12 plug connectors		
Module + module terminal box	MFP21D/Z21D..	MFP22D/Z21D..	MFP32D/Z21D..

INTERBUS variants

The following table shows the INTERBUS variants of the fieldbus interface MF../Z.1:

Module type	MFI21A	MFI22A	MFI32A
Part number	8235260	8235279	8235287
Connection technology for sensors/actuators	Terminals	M12 and terminals	M12 and terminals
Digital inputs	4	4	6
Digital outputs	2	2	0
Associated module terminal box	MFZ11A		
Part number	8235147		
Fieldbus connection technology	Terminals		
Module + module terminal box	MFI21A/Z11A	MFI22A/Z11A	MFI32A/Z11A

DeviceNet™ variants

The following table shows the DeviceNet™ variants of the fieldbus interface MF../Z.1:

Module type	MFD21A	MFD22A	MFD32A
Part number	8235511	823552X	8235538
Connection technology	Terminals	M12 and terminals	M12 and terminals
Sensors/actuators			
Digital inputs	4	4	6
Digital outputs	2	2	0
Associated module terminal box	MFZ31A		
Part number	8235481		
Fieldbus connection technology	Micro-style connector		
Module + module terminal box	MFD21A/Z31A	MFD22A/Z31A	MFD32A/Z31A

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PROFINET IO variant

The following figure shows the PROFINET I/O variant of the fieldbus interface MF../Z.1:

Module type	MFE52A
Part number	18241379
Connection technology	
Fieldbus	M12, D-coded
Sensors/actuators	M12 and terminals
Digital inputs	4 or 6 ¹⁾
Digital outputs	2 or 0 ¹⁾
Associated module terminal box	MFZ21D
Part number	8236275
Module + module terminal box	MFE52A/Z21D

1) Startup configuration: 4 DI and 2 DO or 6 DI and 0 DO

EtherNet/IP™ version

The following table shows the EtherNet/IP™ version of the fieldbus interface MF../Z.1:

Module type	MFE62A
Part number	28230280
Connection technology	
Fieldbus	M12, D-coded
Sensors/actuators	M12 and terminals
Digital inputs	4
Digital outputs	2
Associated module terminal box	MFZ21D
Part number	8236275
Module + module terminal box	MFE62A/Z21D

EtherCAT® variants

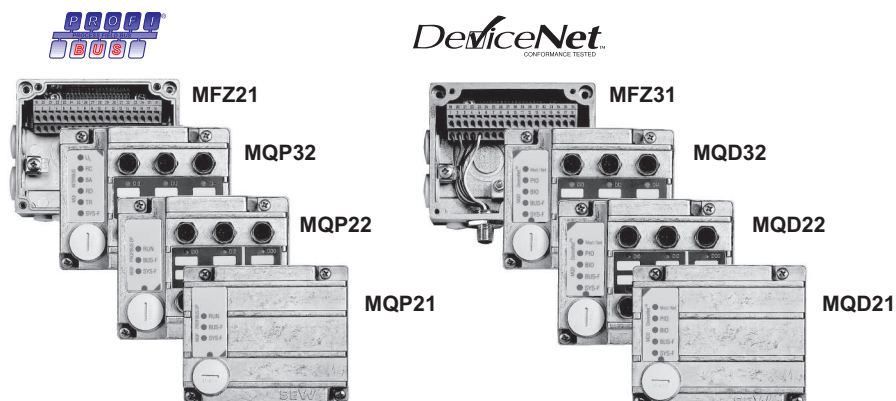
The following table shows the EtherCAT® variants of the fieldbus interface MF../Z.1:

Module type	MFE72A
Part number	18241379
Connection technology	
Fieldbus	M12, D-coded
Sensors/actuators	M12 and terminals
Digital inputs	4 or 6 ¹⁾
Digital outputs	2 or 0 ¹⁾
Associated module terminal box	MFZ21D
Part number	8236275
Module + module terminal box	MFE72A/Z21D

1) Startup configuration: 4 DI and 2 DO or 6 DI and 0 DO

13.7.3 MQ../Z.1 fieldbus interfaces

The following figure shows the variants of the fieldbus interface MQ../Z.1:



18014399923590411

PROFIBUS variants

The following table shows the PROFIBUS variants of the fieldbus interface MQ../Z.1:

Module type	MQP21D	MQP22D	MQP32D
Part number	8241902	8241910	8241929
Connection technology sensors/actuators	Terminals	M12 and terminals	M12 and terminals
Digital inputs	4	4	6
Digital outputs	2	2	0
Associated module terminal box	MFZ21D or MFZ21D/AVT2/AWT2		
Part number	8236275 or 8242992		
Fieldbus connection technology	Terminals or M12 plug connectors		
Module + module terminal box	MQP21D/Z21D..	MQP22D/Z21D..	MQP32D/Z21D..

DeviceNet™ variants

The following table shows the DeviceNet™ variants of the fieldbus interface MQ../Z.1:

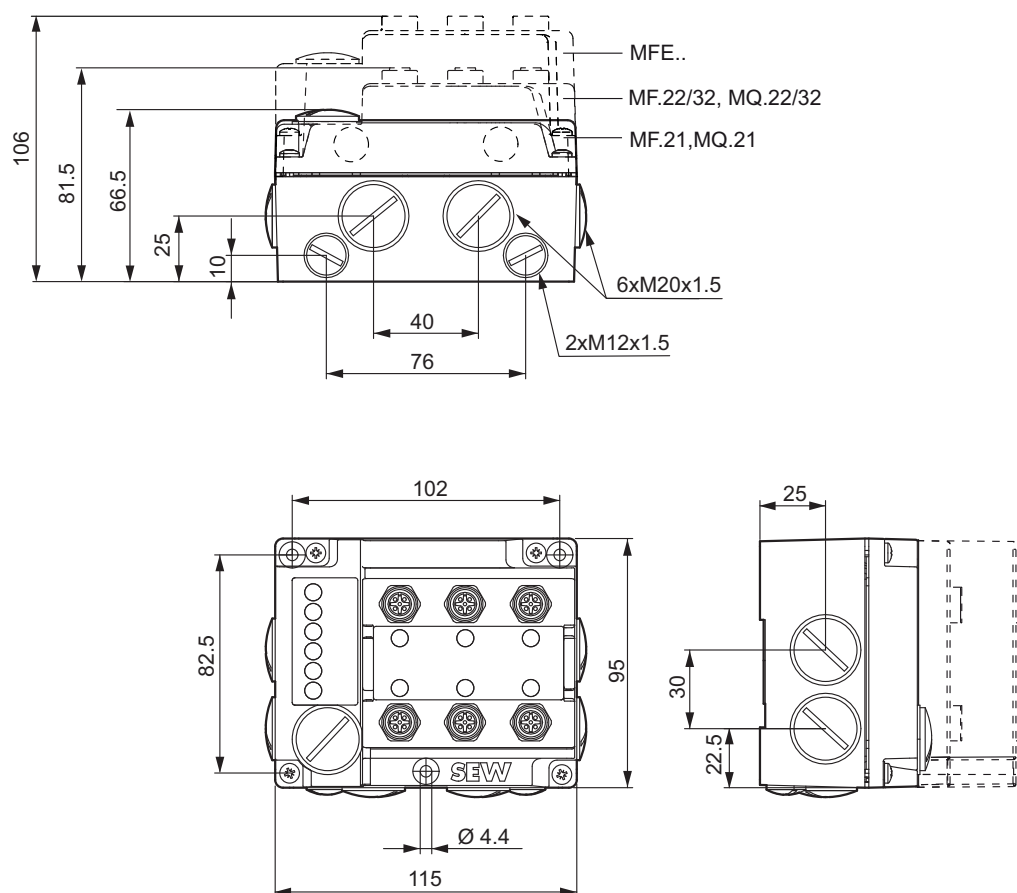
Module type	MQD21A	MQD22A	MQD32A
Part number	8242003	8242011	824202X
Connection technology sensors/actuators	Terminals	M12 and terminals	M12 and terminals
Digital inputs	4	4	6
Digital outputs	2	2	0

Module type	MQD21A	MQD22A	MQD32A
Part number	8242003	8242011	824202X
Associated module terminal box	MFZ31A		
Part number	8235481		
Fieldbus connection technology	Micro-style connector		
Module + module terminal box	MQD21A/Z31A	MQD22A/Z31A	MQD32A/Z31A

13.7.4 Dimension drawing of MF../Z.1, MQ../Z.1 fieldbus interfaces

Dimension drawing of MF../MQ.. fieldbus interface

The following figure shows the dimensions of the fieldbus interface MF../MQ.. :



18014399925147915

14 Address directory SEW-EURODRIVE

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Argentina			
Assembly Sales	Buenos Aires	SEW EURODRIVE ARGENTINA S.A. Ruta Panamericana Km 37.5, Lote 35 (B1619IEA) Centro Industrial Garín Prov. de Buenos Aires	Tel. +54 3327 4572-84 Fax +54 3327 4572-21 http://www.sew-eurodrive.com.ar sewar@sew-eurodrive.com.ar
	Córdoba	SEW EURODRIVE ARGENTINA S.A. Ruta Nacional 19, Manzana 97, Lote 5 (X5125) Malvinas Argentinas Prov. de Córdoba	Tel. +54 351-490-0010 http://www.sew-eurodrive.com.ar sewcor@sew-eurodrive.com.ar
	Santa Fe	SEW EURODRIVE ARGENTINA S.A. Ruta Prov. 21 Km 7, Lote 41 Parque Industrial Alvear (2126) Gral. Alvear Prov. de Santa Fe	Tel. +54 341-317-7277 http://www.sew-eurodrive.com.ar sewsfe@sew-eurodrive.com.ar
Service	Mendoza	SEW EURODRIVE ARGENTINA S.A. Francisco Gabrielli (ex Urquiza) 2060-Zona Industrial- Guaymallen- CP 5521	Tel. +54 261-4214150 http://www.sew-eurodrive.com.ar sewmen@sew-eurodrive.com.ar
Technical Offices	Tucumán	SEW EURODRIVE ARGENTINA S.A. Balcarce 609 (T4000IAM) S.M. de Tucumán Prov. de Tucumán	Tel. +54 381-400-4569 http://www.sew-eurodrive.com.ar sewtuc@sew-eurodrive.com.ar
	Bahía Blanca	SEW EURODRIVE ARGENTINA S.A. O'Higgins 95, 1er Piso A (B8000IVA) Bahía Blanca Prov. de Buenos Aires	Tel. +54 291-451-7345 http://www.sew-eurodrive.com.ar sewbb@sew-eurodrive.com.ar
	Neuquén	SEW EURODRIVE ARGENTINA S.A.	Tel. +549 299 588 7950 http://www.sew-eurodrive.com.ar sewnqn@sew-eurodrive.com.ar
Australia			
Assembly Sales Service	Melbourne	SEW-EURODRIVE PTY. LTD. 27 Beverage Drive Tullamarine, Victoria 3043	Tel. +61 3 9933-1000 Fax +61 3 9933-1003 http://www.sew-eurodrive.com.au enquires@sew-eurodrive.com.au
	Sydney	SEW-EURODRIVE PTY. LTD. 9, Sleigh Place, Wetherill Park New South Wales, 2164	Tel. +61 2 9725-9900 Fax +61 2 9725-9905 enquires@sew-eurodrive.com.au
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	Brisbane	SEW-EURODRIVE PTY. LTD. 1 /34 Collinsvale St Rocklea, Queensland, 4106	Tel. +61 7 3276 5100 Fax +61 7 3276 5102 enquires@sew-eurodrive.com.au
	Perth	SEW-EURODRIVE PTY. LTD. 10 Colin Jamieson Drive Welshpool, WA 6106	Tel. +61 8 9251-4900 Fax +61 8 9251-4903 enquires@sew-eurodrive.com.au
Sales	Townsville	SEW-EURODRIVE PTY. LTD. 12 Leyland Street Garbutt, QLD 4814	Tel. +61 7 4779 4333 Fax +61 7 4779 5333 enquires@sew-eurodrive.com.au
Austria			
Assembly Sales Service	Vienna	SEW-EURODRIVE Ges.m.b.H. Richard-Strauss-Straße 24 1230 Wien	Tel. +43 1 617 55 00-0 Fax +43 1 617 55 00-30 http://www.sew-eurodrive.at sew@sew-eurodrive.at
Technical Offices	Linz	SEW-EURODRIVE Ges.m.b.H. Jaxstraße 2-4 4020 Linz	Tel. +43 732 655 109-0 Fax +43 732 655 109-20 tb-linz@sew-eurodrive.at

Graz	SEW-EURODRIVE Ges.m.b.H. Grabenstraße 231 8045 Graz	Tel. +43 316 685 756-0 Fax +43 316 685 756-20 tb-graz@sew-eurodrive.at
Dornbirn	SEW-EURODRIVE Ges.m.b.H. Lustenauerstraße 27/1 6850 Dornbirn	Tel. +43 5572 3725 99-0 Fax +43 5572 3725 99-20 tb-dornbirn@sew-eurodrive.at

Bangladesh

Sales	Bangladesh	SEW-EURODRIVE INDIA PRIVATE LIMITED 345 DIT Road East Rampura Dhaka-1219, Bangladesh	Tel. +88 01729 097309 salesdhaka@seweurodrivebangladesh.com
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Belarus

Sales	Minsk	Foreign unitary production enterprise SEW-EURODRIVE RybalkoStr. 26 220033 Minsk	Tel. +375 17 298 47 56 / 298 47 58 Fax +375 17 298 47 54 http://www.sew.by sales@sew.by
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Belgium

Assembly Sales Service	Brussels	SEW-EURODRIVE n.v./s.a. Researchpark Haasrode 1060 Evenementenlaan 7 3001 Leuven	Tel. +32 16 386-311 Fax +32 16 386-336 http://www.sew-eurodrive.be info@sew-eurodrive.be
Service Competence Center	Industrial Gears	SEW-EURODRIVE n.v./s.a. Rue de Parc Industriel, 31 6900 Marche-en-Famenne	Tel. +32 84 219-878 Fax +32 84 219-879 http://www.sew-eurodrive.be service-IG@sew-eurodrive.be

Brazil

Production Sales Service	São Paulo	SEW-EURODRIVE Brasil Ltda. Estrada Municipal José Rubim, 205 – Rodovia Santos Dumont Km 49 Indaiatuba – 13347-510 – SP	Tel. +55 19 3835-8000 sew@sew.com.br
Assembly Sales Service	Rio Claro	SEW-EURODRIVE Brasil Ltda. Rodovia Washington Luiz, Km 172 Condomínio Industrial Conpark Caixa Postal: 327 13501-600 – Rio Claro / SP	Tel. +55 19 3522-3100 Fax +55 19 3524-6653 montadora.rc@sew.com.br
	Joinville	SEW-EURODRIVE Brasil Ltda. Rua Dona Francisca, 12.346 – Pirabeiraba 89239-270 – Joinville / SC	Tel. +55 47 3027-6886 Fax +55 47 3027-6888 filial.sc@sew.com.br

Bulgaria

Sales	Sofia	BEVER-DRIVE GmbH Bogdanovetz Str.1 1606 Sofia	Tel. +359 2 9151160 Fax +359 2 9151166 bever@bever.bg
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Cameroon

Sales	Douala	SEW-EURODRIVE S.A.R.L. Ancienne Route Bonabéri P.O. Box B.P 8674 Douala-Cameroun	Tel. +237 233 39 02 10 Fax +237 233 39 02 10 info@sew-eurodrive-cm
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Canada

Assembly Sales Service	Toronto	SEW-EURODRIVE CO. OF CANADA LTD. 210 Walker Drive Bramalea, ON L6T 3W1	Tel. +1 905 791-1553 Fax +1 905 791-2999 http://www.sew-eurodrive.ca l.watson@sew-eurodrive.ca
	Vancouver	SEW-EURODRIVE CO. OF CANADA LTD. Tilbury Industrial Park 7188 Honeyman Street Delta, BC V4G 1G1	Tel. +1 604 946-5535 Fax +1 604 946-2513 b.wake@sew-eurodrive.ca
	Montreal	SEW-EURODRIVE CO. OF CANADA LTD. 2555 Rue Leger Lasalle, PQ H8N 2V9	Tel. +1 514 367-1124 Fax +1 514 367-3677 a.peluso@sew-eurodrive.ca

Chile			
Assembly Sales Service	Santiago de Chile	SEW-EURODRIVE CHILE LTDA Las Encinas 1295 Parque Industrial Valle Grande LAMP Santiago de Chile P.O. Box Casilla 23 Correo Quilicura - Santiago - Chile	Tel. +56 2 2757 7000 Fax +56 2 2757 7001 http://www.sew-eurodrive.cl ventas@sew-eurodrive.cl
China			
Production Assembly Sales Service	Tianjin	SEW-EURODRIVE (Tianjin) Co., Ltd. No. 78, 13th Avenue, TEDA Tianjin 300457	Tel. +86 22 25322612 Fax +86 22 25323273 http://www.sew-eurodrive.cn info@sew-eurodrive.cn
Assembly Sales Service	Suzhou	SEW-EURODRIVE (Suzhou) Co., Ltd. 333, Suhong Middle Road Suzhou Industrial Park Jiangsu Province, 215021	Tel. +86 512 62581781 Fax +86 512 62581783 suzhou@sew-eurodrive.cn
	Guangzhou	SEW-EURODRIVE (Guangzhou) Co., Ltd. No. 9, JunDa Road East Section of GETDD Guangzhou 510530	Tel. +86 20 82267890 Fax +86 20 82267922 guangzhou@sew-eurodrive.cn
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	Taiyuan	SEW-EURODRIVE (Taiyuan) Co., Ltd. No.3, HuaZhang Street, TaiYuan Economic & Technical Development Zone ShanXi, 030032	Tel. +86-351-7117520 Fax +86-351-7117522 taiyuan@sew-eurodrive.cn
	Wuhan	SEW-EURODRIVE (Wuhan) Co., Ltd. 10A-2, 6th Road No. 59, the 4th Quanli Road, WEDA 430056 Wuhan	Tel. +86 27 84478388 Fax +86 27 84478389 wuhan@sew-eurodrive.cn
	Xi'An	SEW-EURODRIVE (Xi'An) Co., Ltd. No. 12 Jinye 2nd Road Xi'An High-Technology Industrial Development Zone Xi'An 710065	Tel. +86 29 68686262 Fax +86 29 68686311 xian@sew-eurodrive.cn
Sales Service	Hong Kong	SEW-EURODRIVE LTD. Unit No. 801-806, 8th Floor Hong Leong Industrial Complex No. 4, Wang Kwong Road Kowloon, Hong Kong	Tel. +852 36902200 Fax +852 36902211 contact@sew-eurodrive.hk
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Assembly Sales Service	Bogota	SEW-EURODRIVE COLOMBIA LTDA. Calle 17 No. 132-18 Interior 2 Bodega 6, Manzana B Santafé de Bogotá	Tel. +57 1 54750-50 Fax +57 1 54750-44 http://www.sew-eurodrive.com.co sew@sew-eurodrive.com.co
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Czech Republic			
Assembly Sales Service	Hostivice	SEW-EURODRIVE CZ s.r.o. Floriánova 2459 253 01 Hostivice	Tel. +420 255 709 601 Fax +420 235 350 613 http://www.sew-eurodrive.cz sew@sew-eurodrive.cz
	Drive Service Hotline / 24 Hour Service	+420 800 739 739 (800 SEW SEW)	Service Tel. +420 255 709 632 Fax +420 235 358 218 servis@sew-eurodrive.cz

Assembly Service	Plzeň	SEW-EURODRIVE CZ s.r.o. Areal KRPA a.s. Zahradní 173/2 326 00 Plzeň	Tel. +420 378 775 320 Fax +420 377 970 710 sew@sew-eurodrive.cz
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	Hradec Králové	SEW-EURODRIVE CZ s.r.o. Čechova 498 50202 Hradec Králové	Tel. +420 495 510 141 Fax +420 495 521 313 miroslav.moravec@sew-eurodrive.cz
	Ostrava	SEW-EURODRIVE CZ s.r.o. Studentská 6202/17 708 00 Ostrava-Poruba	Tel. +420 597 329 044 david.kenkus@sew-eurodrive.cz
	Klatovy	SEW-EURODRIVE CZ s.r.o. Videňská 841 33901 Klatovy	Tel. +420 376 331 634 Fax +420 376 331 634 viktor.kubernat@sew-eurodrive.cz
Service	Přerov	SEW-EURODRIVE CZ s.r.o. Areál STS Přerov a.s. ul. 9. května 2452 750 02 Přerov I – Město	Tel. +420 581 224 374 Fax +420 581 224 374 servis@sew-eurodrive.cz

Denmark

Assembly Sales Service	Copenhagen	SEW-EURODRIVE A/S Geminivej 28-30 2670 Greve	Tel. +45 43 95 8500 Fax +45 43 9585-09 http://www.sew-eurodrive.dk sew@sew-eurodrive.dk
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Egypt

Sales Service	Cairo	Copam Egypt for Engineering & Agencies Building 10, Block 13005, First Industrial Zone, Obour City Cairo	Tel. +202 44812673 / 79 (7 lines) Fax +202 44812685 http://www.copam-egypt.com copam@copam-egypt.com
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Estonia

Sales	Tallin	ALAS-KUUL AS Reti tee 4 75301 Peetri küla, Rae vald, Harjumaa	Tel. +372 6593230 Fax +372 6593231 http://www.alas-kuul.ee veiko.soots@alas-kuul.ee
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Finland

Assembly Sales Service	Hollola	SEW-EURODRIVE OY Vesimäentie 4 15860 Hollola	Tel. +358 201 589-300 Fax +358 3 780-6211 http://www.sew-eurodrive.fi sew@sew.fi
Service	Hollola	SEW-EURODRIVE OY Keskikankaantie 21 15860 Hollola	Tel. +358 201 589-300 Fax +358 3 780-6211 http://www.sew-eurodrive.fi sew@sew.fi
Production Assembly	Karkkila	SEW Industrial Gears Oy Santasalonkatu 6, PL 8 03620 Karkkila, 03601 Karkkila	Tel. +358 201 589-300 Fax +358 201 589-310 http://www.sew-eurodrive.fi sew@sew.fi
Technical Offices	Helsinki	SEW-EURODRIVE OY Luutnantintie 5 00410 Helsinki	Tel. +358 201 589-300 sew@sew.fi
	Oulu	SEW Industrial Gears Oy Paulaharjuntie 22 90530 Oulu	Tel. +358 201 589 300 sew@sew.fi
	Vaasa	SEW Industrial Gears Oy Asemakatu 7 65100 Vaasa	Tel. +358 201 589-300 sew@sew.fi
	Kuopio	SEW Industrial Gears Oy Leväsentie 23 70780 Kuopio	Tel. +358 201 589-300 sew@sew.fi
	Tampere	SEW Industrial Gears Oy Hermiankatu 3 A 33720 Tampere	Tel. +358 201 589-300 sew@sew.fi

Kotka	SEW Industrial Gears Oy Heikinkatu 7 48100 Kotka	Tel. +358 201 589 300 sew@sew.fi
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France

Production Sales Service	Hagenau	SEW-USOCOME 48-54 route de Soufflenheim B. P. 20185 67506 Haguenau Cedex	Tel. +33 3 88 73 67 00 Fax +33 3 88 73 66 00 http://www.usocome.com sew@usocome.com
Production	Forbach	SEW-USOCOME Zone industrielle Technopôle Forbach Sud B. P. 30269 57604 Forbach Cedex	Tel. +33 3 87 29 38 00
	Brumath	SEW-USOCOME 1 Rue de Bruxelles 67670 Mommenheim Cedex	Tel. +33 3 88 37 48 00
Assembly Sales Service	Bordeaux	SEW-USOCOME Parc d'activités de Magellan 62 avenue de Magellan – B. P. 182 33607 Pessac Cedex	Tel. +33 5 57 26 39 00 Fax +33 5 57 26 39 09
	Lyon	SEW-USOCOME 75 rue Antoine Condorcet 38090 Vaulx-Milieu	Tel. +33 4 74 99 60 00 Fax +33 4 74 99 60 15
	Nantes	SEW-USOCOME Parc d'activités de la forêt 4 rue des Fontenelles 44140 Le Bignon	Tel. +33 2 40 78 42 00 Fax +33 2 40 78 42 20
	Paris	SEW-USOCOME Zone industrielle 2 rue Denis Papin 77390 Verneuil l'Étang	Tel. +33 1 64 42 40 80 Fax +33 1 64 42 40 88
Technical Offices	Alsace	SEW-USOCOME	Tel. +33 3 89 74 51 62 Fax +33 3 89 76 58 71
	Aquitaine / Charentes	SEW-USOCOME	Tel. +33 5 57 26 39 08 Fax +33 5 57 26 39 09
	Auvergne / Limousin	SEW-USOCOME	Tel. +33 5 55 20 12 10 Fax +33 5 55 20 12 11
	Lower Nor- mandie	SEW-USOCOME	Tel. +33 2 31 37 92 86 Fax +33 2 31 74 68 15
	Brittany	SEW-USOCOME	Tel. +33 2 40 78 42 04 Fax +33 2 40 78 42 20
	Burgundy	SEW-USOCOME	Tel. +33 3 85 49 92 18 Fax +33 3 85 49 92 19
	Centre / Poitou	SEW-USOCOME	Tel. +33 2 40 78 42 11 Fax +33 2 40 78 42 20
	Champagne- Ardenne	SEW-USOCOME	Tel. +33 3 25 79 63 24 Fax +33 3 25 79 63 25
	Franche- Comté	SEW-USOCOME	Tel. +33 3 84 68 57 71 Fax +33 3 84 68 57 95
	Île-de-France East / Aisne	SEW-USOCOME	Tel. +33 3 23 62 81 24 Fax +33 3 23 62 81 44
	Île-de-France North / Pi- cardie	SEW-USOCOME	Tel. +33 1 41 05 92 74 Fax +33 1 41 05 92 75
	Île-de-France South	SEW-USOCOME	Tel. +33 1 60 81 10 56 Fax +33 1 60 81 10 57
	Lorraine / Alsace North	SEW-USOCOME	Tel. +33 3 83 96 28 04 Fax +33 3 83 96 28 07
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	Nord-Pas-de- Calais	SEW-USOCOME	Tel. +33 3 21 10 86 86 Fax +33 3 21 10 86 87

Paris / Île-de-France West	SEW-USOCOME	Tel. +33 1 30 90 89 86 Fax +33 1 30 90 93 15
Pays de la Loire	SEW-USOCOME	Tel. +33 2 40 78 42 03 Fax +33 2 40 78 42 20
Provence-Alpes-Côte d'Azur	SEW-USOCOME	Tel. +33 4 91 18 00 11 Fax +33 4 91 18 00 12
Rhône-Alpes East	SEW-USOCOME	Tel. +33 4 75 05 65 95 Fax +33 4 75 05 65 96
Rhône-Alpes North	SEW-USOCOME	Tel. +33 4 74 99 60 03 Fax +33 4 74 99 60 15
Rhône-Alpes West	SEW-USOCOME	Tel. +33 4 74 99 60 04 Fax +33 4 74 99 60 15

Gabon

Sales	Libreville	SEW-EURODRIVE SARL 183, Rue 5.033.C, Lalala à droite P.O. Box 15682 Libreville	Tel. +241 03 28 81 55 +241 06 54 81 33 http://www.sew-eurodrive.cm sew@sew-eurodrive.cm
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Germany

Headquarters Production Sales	Bruchsal	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 42 76646 Bruchsal P.O. Box Postfach 3023 – D-76642 Bruchsal	Tel. +49 7251 75-0 Fax +49 7251 75-1970 http://www.sew-eurodrive.de sew@sew-eurodrive.de
Production / Industrial Gears	Bruchsal	SEW-EURODRIVE GmbH & Co KG Christian-Pähr-Str. 10 76646 Bruchsal	Tel. +49 7251 75-0 Fax +49 7251 75-2970
Production	Graben	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 1 76676 Graben-Neudorf P.O. Box Postfach 1220 – D-76671 Graben-Neudorf	Tel. +49 7251 75-0 Fax +49 7251-2970
	Östringen	SEW-EURODRIVE GmbH & Co KG, Werk Östringen Franz-Gurk-Straße 2 76684 Östringen	Tel. +49 7253 9254-0 Fax +49 7253 9254-90 oestringen@sew-eurodrive.de
Service Competence Center	Mechanics / Mechatronics	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 1 76676 Graben-Neudorf	Tel. +49 7251 75-1710 Fax +49 7251 75-1711 scc-mechanik@sew-eurodrive.de
	Electronics	SEW-EURODRIVE GmbH & Co KG Ernst-Blickle-Straße 42 76646 Bruchsal	Tel. +49 7251 75-1780 Fax +49 7251 75-1769 scc-elektronik@sew-eurodrive.de
Drive Technology Center	North	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Straße 40-42 30823 Garbsen (Hannover)	Tel. +49 5137 8798-30 Fax +49 5137 8798-55 dtc-nord@sew-eurodrive.de
	East	SEW-EURODRIVE GmbH & Co KG Dänkritzter Weg 1 08393 Meerane (Zwickau)	Tel. +49 3764 7606-0 Fax +49 3764 7606-30 dtc-ost@sew-eurodrive.de
	South	SEW-EURODRIVE GmbH & Co KG Domagkstraße 5 85551 Kirchheim (München)	Tel. +49 89 909552-10 Fax +49 89 909552-50 dtc-sued@sew-eurodrive.de
	West	SEW-EURODRIVE GmbH & Co KG Siemensstraße 1 40764 Langenfeld (Düsseldorf)	Tel. +49 2173 8507-30 Fax +49 2173 8507-55 dtc-west@sew-eurodrive.de
Drive Center	Berlin	SEW-EURODRIVE GmbH & Co KG Alexander-Meißner-Straße 44 12526 Berlin	Tel. +49 306331131-30 Fax +49 306331131-36 dc-berlin@sew-eurodrive.de
	Ludwigshafen	SEW-EURODRIVE GmbH & Co KG c/o BASF SE Gebäude W130 Raum 101 67056 Ludwigshafen	Tel. +49 7251 75 3759 Fax +49 7251 75 503759 dc-ludwigshafen@sew-eurodrive.de
	Saarland	SEW-EURODRIVE GmbH & Co KG Gottlieb-Daimler-Straße 4 66773 Schwalbach Saar – Hülzweiler	Tel. +49 6831 48946 10 Fax +49 6831 48946 13 dc-saarland@sew-eurodrive.de

Germany

	Ulm	SEW-EURODRIVE GmbH & Co KG Dieselstraße 18 89160 Dornstadt	Tel. +49 7348 9885-0 Fax +49 7348 9885-90 dc-ulm@sew-eurodrive.de
	Würzburg	SEW-EURODRIVE GmbH & Co KG Nürnbergerstraße 118 97076 Würzburg-Lengfeld	Tel. +49 931 27886-60 Fax +49 931 27886-66 dc-wuerzburg@sew-eurodrive.de
Drive Service Hotline / 24 Hour Service			0 800 SEWHELP 0 800 7394357
Technical Offices	Augsburg	SEW-EURODRIVE GmbH & Co KG August-Wessels-Straße 27 86156 Augsburg	Tel. +49 821 22779-10 Fax +49 821 22779-50 tb-augsburg@sew-eurodrive.de
	Lake Constance	SEW-EURODRIVE GmbH & Co KG Dornierstraße 4 88677 Markdorf	Tel. +49 7544 96590-90 Fax +49 7544 96590-99 tb-bodensee@sew-eurodrive.de
	Bremen	SEW-EURODRIVE GmbH & Co KG Bornstr.19 ... 22 28195 Bremen	Tel. +49 421 33918-10 Fax +49 421 33918-22 tb-bremen@sew-eurodrive.de
	Dortmund	SEW-EURODRIVE GmbH & Co KG Hildastraße 8 44145 Dortmund	Tel. +49 231 229028-10 Fax +49 231 229028-20 tb-dortmund@sew-eurodrive.de
	Dresden	SEW-EURODRIVE GmbH & Co KG Hauptstraße 32 01445 Radebeul	Tel. +49 351 26338-0 Fax +49 351 26338-38 tb-dresden@sew-eurodrive.de
	Erfurt	SEW-EURODRIVE GmbH & Co KG Dubliner Straße 12 99091 Erfurt	Tel. +49 361 21709-70 Fax +49 361 21709-79 tb-erfurt@sew-eurodrive.de
	Güstrow	SEW-EURODRIVE GmbH & Co KG Glasewitzer Chaussee 33 B 18273 Güstrow P.O. Box Postfach 1216 – D-18262 Güstrow	Tel. +49 3843 8557-80 Fax +49 3843 8557-88 tb-guestrow@sew-eurodrive.de
	Hamburg	SEW-EURODRIVE GmbH & Co KG Bramfelder Straße 119 22305 Hamburg	Tel. +49 40 298109-60 Fax +49 40 298109-70 tb-hamburg@sew-eurodrive.de
	Hannover / Garbsen	SEW-EURODRIVE GmbH & Co KG Alte Ricklinger Str.40-42 30823 Garbsen	Tel. +49 5137 8798-10 Fax +49 5137 8798-50 tb-hannover@sew-eurodrive.de
	Heilbronn	SEW-EURODRIVE GmbH & Co KG Zeppelinstraße 7 74357 Bönningheim	Tel. +49 7143 8738-0 Fax +49 7143 8738-25 tb-heilbronn@sew-eurodrive.de
	Herford	SEW-EURODRIVE GmbH & Co KG Goebenstraße 3 – 7 32052 Herford	Tel. +49 5221 9141-0 Fax +49 5221 9141-20 tb-herford@sew-eurodrive.de
	Karlsruhe	SEW-EURODRIVE GmbH & Co KG Ettlinger Weg 2 76467 Bietigheim P.O. Box Postfach 43 – D-76463 Bietigheim	Tel. +49 7245 9190-10 Fax +49 7245 9190-20 tb-karlsruhe@sew-eurodrive.de
	Kassel	SEW-EURODRIVE GmbH & Co KG Sonnenweg 3 34260 Kaufungen	Tel. +49 561 95144-80 Fax +49 561 95144-90 tb-kassel@sew-eurodrive.de
	Koblenz	SEW-EURODRIVE GmbH & Co KG Bahnstraße 17a 56743 Mendig	Tel. +49 2652 9713-30 Fax +49 2652 9713-40 tb-koblenz@sew-eurodrive.de
	Lahr	SEW-EURODRIVE GmbH & Co KG Europastraße 3/1 77933 Lahr / Schwarzwald	Tel. +49 7821 90999-60 Fax +49 7821 90999-79 tb-lahr@sew-eurodrive.de
	Langenfeld	SEW-EURODRIVE GmbH & Co KG Siemensstraße 1 40764 Langenfeld	Tel. +49 2173 8507-10 Fax +49 2173 8507-50 tb-langenfeld@sew-eurodrive.de
	Magdeburg	SEW-EURODRIVE GmbH & Co KG Breiteweg 53 39179 Barleben	Tel. +49 39203 7577-1 Fax +49 39203 7577-9 tb-magdeburg@sew-eurodrive.de

Mannheim	SEW-EURODRIVE GmbH & Co KG Besselstraße 26 68219 Mannheim	Tel. +49 621 71683-10 Fax +49 621 71683-22 tb-mannheim@sew-eurodrive.de
München	SEW-EURODRIVE GmbH & Co KG Domagkstraße 5 85551 Kirchheim	Tel. +49 89 90955-110 Fax +49 89 90955-150 tb-muenchen@sew-eurodrive.de
Münster	SEW-EURODRIVE GmbH & Co KG Hafenplatz 4 48155 Münster	Tel. +49 251 41475-11 Fax +49 251 41475-50 tb-muenster@sew-eurodrive.de
Nuremberg	SEW-EURODRIVE GmbH & Co KG Lina-Ammon-Straße 22 90471 Nürnberg	Tel. +49 911 98884-50 Fax +49 911 98884-60 tb-nuernberg@sew-eurodrive.de
Regensburg	SEW-EURODRIVE GmbH & Co KG Im Gewerbepark A15 93059 Regensburg	Tel. +49 941 46668-68 Fax +49 941 46668-66 tb-regensburg@sew-eurodrive.de
Rhine-Main	SEW-EURODRIVE GmbH & Co KG Niederstedter Weg 5 61348 Bad Homburg	Tel. +49 6172 9617-0 Fax +49 6172 9617-50 tb-rheinmain@sew-eurodrive.de
Stuttgart	SEW-EURODRIVE GmbH & Co KG Friedrich-List-Straße 46 70771 Leinfelden-Echterdingen	Tel. +49 711 16072-0 Fax +49 711 16072-72 tb-stuttgart@sew-eurodrive.de
Zwickau / Meerane	SEW-EURODRIVE GmbH & Co KG Dankritzer Weg1 08393 Meerane	Tel. +49 3764 7606-0 Fax +49 3764 7606-20 tb-zwickau@sew-eurodrive.de

Great Britain

Assembly Sales Service	Normanton	SEW-EURODRIVE Ltd. DeVilliers Way Trident Park Normanton West Yorkshire WF6 1GX	Tel. +44 1924 893-855 Fax +44 1924 893-702 http://www.sew-eurodrive.co.uk info@sew-eurodrive.co.uk
		Drive Service Hotline / 24 Hour Service	Tel. 01924 896911
Service Competence Center	Southern Eng- land	SEW-EURODRIVE Ltd. Unit 41 Easter Park Benyon Road Silchester Reading Berkshire RG7 2PQ	Tel. +44 1189 701-699 Fax +44 1189 701-021
Technical Offices	Midlands	SEW-EURODRIVE Ltd. 5 Sugar Brook court Aston Road Bromsgrove Worcs. B60 3EX	Tel. +44 1527 877-319 Fax +44 1527 575-245
	Scotland	SEW-EURODRIVE Ltd. No 37 Enterprise House Springkerse Business Park Stirling FK7 7UF	Tel. +44 17 8647-8730 Fax +44 17 8645-0223
	Northern Ire- land	Heyn Engineering (NI) Ltd. 1 Corry Place, Belfast, BT3 9AH	Tel. +44 02890350022 Fax +44 02890350012 http://www.heyne.co.uk info@heyne.co.uk

Greece

Sales	Athens	Christ. Boznos & Son S.A. 12, K. Mavromichali Street P.O. Box 80136 18545 Piraeus	Tel. +30 2 1042 251-34 Fax +30 2 1042 251-59 http://www.boznos.gr info@boznos.gr
Technical Office	Thessaloniki	Christ. Boznos & Son S.A. Asklipiou 26 562 24 Evosmos, Thessaloniki	Tel. +30 2 310 7054-00 Fax +30 2 310 7055-15 info@boznos.gr

Hungary			
Sales Service	Budapest	SEW-EURODRIVE Kft. Csillaghegyi út 13. 1037 Budapest	Tel. +36 1 437 06-58 Fax +36 1 437 06-50 http://www.sew-eurodrive.hu office@sew-eurodrive.hu
Iceland			
Sales	Reykjavik	Varma & Vélaverk ehf. Knarrarvogi 4 104 Reykjavik	Tel. +354 585 1070 Fax +354 585)1071 http://www.varmaverk.is vov@vov.is
India			
Registered Office Assembly Sales Service	Vadodara	SEW-EURODRIVE India Private Limited Plot No. 4, GIDC POR Ramangamdi • Vadodara - 391 243 Gujarat	Tel. +91 265 3045200 Fax +91 265 3045300 http://www.seweurodriveindia.com salesvadodara@seweurodriveindia.com
Assembly Sales Service	Chennai	SEW-EURODRIVE India Private Limited Plot No. K3/1, Sipcot Industrial Park Phase II Mambakkam Village Sriperumbudur - 602105 Kancheepuram Dist, Tamil Nadu	Tel. +91 44 37188888 Fax +91 44 37188811 saleschennai@seweurodriveindia.com
	Pune	SEW-EURODRIVE India Private Limited Plant: Plot No. D236/1, Chakan Industrial Area Phase- II, Warale, Tal- Khed, Pune-410501, Maharashtra	Tel. +91 21 35 628700 Fax +91 21 35 628715 salespune@seweurodriveindia.com
Technical Offices	Ahmedabad	SEW-EURODRIVE India Private Limited 306, Shaan office complex, Behind Sakar-IV, Ellisebridge, Ashram Road Ahmedabad – 380006, Gujarat	Tel. +91 79 40072067 / 68 Fax +91 79 40072069 salesahmedabad@seweurodriveindia.com
	Aurangabad	SEW-EURODRIVE India Private Limited Flat.No.403 , Prism Appt. The Venus Housing Society. Beed Bypass Road, Behind Nishant Park Hotel, Aurangabad – 431003, Maharashtra.	Tel. +91 86000 12333 salesaurangabad@seweurodriveindia.com
	Bangalore	SEW-EURODRIVE India Private Limited Sy.no:41-P3, Peenya1, Phase 1A, Peenya Vil- lage, Yeswanthapura Hobli, Bangalore North Taluk, Bangalore - 560058, Karnataka	Tel. +91 80 28370664 Fax +91 80 28370665 salesbangalore@seweurodriveindia.com
	Bangalore	SEW-EURODRIVE India Private Limited # C-104, 3rd Block, KSSIDC Complex, Electronic City. Bangalore – 560100, Karnataka	Tel. +91 80 28522662 / 28522663 salesbangalore@seweurodriveindia.com
	Bangladesh	SEW-EURODRIVE India Private Limited Genetic Udayanchal, House-96 (6th Floor), Road-23/A, Block-B, Banani, Dhaka-1213, Bangladesh	Tel. +88 01729 097309 salesdhaka@seweurodrivebangladesh.com
	Bellary	SEW-EURODRIVE India Private Limited Door no-56/279 Ward No-15, Sindhigi compound, Near Raghavendra talkies, Bellary-583101, Karnataka	Tel. +91 77609 88668 salesbellary@seweurodriveindia.com
	Chandigarh	SEW-EURODRIVE India Private Limited #699, Type -3, Power Colony, Chandigarh - Rupnagar Highway Rupnagar - 140001, Punjab	Tel. +91 81462 67606 saleschandigarh@seweurodriveindia.com
	Chennai	SEW-EURODRIVE India Private Limited 2nd Floor, Josmans Complex, No. 5, McNichols Road, Chetpet Chennai - 600031, Tamil Nadu	Tel. +91 44 42849812 / 13 / 14 / 15 Fax +91 44 42849816 saleschennai@seweurodriveindia.com
	Kochi	SEW-EURODRIVE India Private Limited House No: 30/1168 A Kaniyampuzha Road Vyttila Post Office Cochin – 682019, Kerala	Tel. +91 98951 30375 salescochin@seweurodriveindia.com

Coimbatore	SEW-EURODRIVE India Private Limited 687/2, Sri Sakthivel Towers (Near Deepam Hospital) Trichy Road, Ramanathapuram Coimbatore - 641 045, Tamil Nadu	Tel. +91 422 2322420 Fax +91 422 2323988 salescoimbatore@seweurodriveindia.com
Cuttack	SEW-EURODRIVE India Private Limited Plot No.: F/56, Chandaka Industrial Estate, P.O.- K I I T, Bhubaneswar – 751024. Orissa	Tel. +91 9937446333 salescuttack@seweurodriveindia.com
Faridabad	SEW-EURODRIVE India Private Limited H.No.: -1172 ,Sector-9 , Near St Anthony School Faridabad 121006	Tel. +91 99580 09275 salesfaridabad@seweurodriveindia.com
Gandhidham	SEW-EURODRIVE India Private Limited TCX-S-28, FF, Ward 12/A, Gandhidham - 370201, Kutch - Gujarat	Tel. +91 81282 36850 salesgandhidham@seweurodriveindia.com
Gandhinagar	SEW-EURODRIVE India Private Limited Office No. 304, Siddhraj Zavod, Between Kh-0 & G-0 Circle, Sarkhej Gandhinagar Highway, Sargasan, Gandhinagar – 382423	Tel. +91 787 8601656 salesgandhinagar@seweurodriveindia.com
Gurgaon	SEW-EURODRIVE India Private Limited 136, Hope Appartment, Sec. 15, Part – II, Jharsa Road, Near Reliance Fresh, Gurgaon-122001, Haryana	Tel. +91 99588 78855 salesgurgaon@seweurodriveindia.com
Hyderabad	SEW-EURODRIVE India Private Limited 408, 4th Floor, Meridian Place Green Park Road, Amerpet Hyderabad - 500016, Telangana	Tel. +91 40 23414698 Fax +91 40 23413884 saleshyderabad@seweurodriveindia.com
Indore	SEW-EURODRIVE India Private Limited 103, Abhishek Avenue, Slide-4, Sch. No. 78, Indore - 452010, Madhya Pradesh	Tel. +91 97524 12068 salesindore@seweurodriveindia.com
Jamshedpur	SEW-EURODRIVE India Private Limited Flat No :- S1 "Kashi Kunj", h. No. 60, New Rani Kudar Road No - 3, P.O. + P.S. - Kadma Jamshedpur - 831005, Jharkhand	Tel. +91 99341 23671 salesjamshedpur@seweurodriveindia.com
Kolhapur	SEW-EURODRIVE India Private Limited C/O. Mr.S.V.Pawar.461/37, Abhideep Resid- ency, Opp-Shriram Petrol Pump, Kasaba Bawada, Kolhapur - 416 122, Maharashtra	Tel. +91 86000 20846 saleskolhapur@seweurodriveindia.com
Kolkata	SEW-EURODRIVE India Private Limited 2nd floor, Room No. 35 Chowringhee Court 55, Chowringhee Road Kolkata - 700 071, West Bengal	Tel. +91 33 22827457 Fax +91 33 22894204 saleskolkata@seweurodriveindia.com
Lucknow	SEW-EURODRIVE India Private Limited 69, Shiv Vihar Colony Vikas Nagar – Sector 5 Lucknow - 226022, Uttar Pradesh	Tel. +91 97936 27333 saleslucknow@seweurodriveindia.com
Mumbai	SEW-EURODRIVE India Private Limited 312 A, 3rd Floor, Acme Plaza, J.B. Nagar, Andheri Kurla Road, Andheri (E) Mumbai - 400059, Maharashtra	Tel. +91 22 28348440 Fax +91 22 28217858 salesmumbai@seweurodriveindia.com
Nagpur	SEW-EURODRIVE India Private Limited Plot No 49, New Kailash Nager, Samta colony, Nagpur-440027, Maharashtra	Tel. +91 95610 89525 salesnagpur@seweurodriveindia.com
Nashik	SEW-EURODRIVE India Private Limited 107, "YOG" Bungalow, Mahatma Nagar, Trimbak Road, Nashik – 422 007, Maharashtra	Tel. +91 96657 52978 salesnashik@seweurodriveindia.com
New Delhi	SEW-EURODRIVE India Private Limited # B-206 DLF Towers-B District Centre Jasola New Delhi -110044	Tel. +91 11 26944551 Fax +91 11 26944467 salesdelhi@seweurodriveindia.com

Navi Mumbai	SEW-EURODRIVE India Private Limited No.202, Shivam Yeshoram Plot No. 262/257, Sector 19 Kopar Khairane, Navi Mumbai - 400 709, Maharashtra	Tel. +91 99677 21324 salesmumbai@seweurodriveindia.com
Pondicherry	SEW-EURODRIVE India Private Limited Plot No 1, Flat No S2, Shubhamangala Apartment, 14th Cross Extension, Krishna Nagar, Pondicherry 605008	Tel. +91 9840971370 salespondicherry@seweurodriveindia.com
Pune	SEW-EURODRIVE India Private Limited Plot No. 7, "Shri Shantadurga Niwas" Shivaji Co-operative Housing Society Ltd., Behind J.W. Marriot. Off Senapati Bapat Marg. Pune -411 016, Maharashtra	Tel. +91 20 25635466 / 467 salespune@seweurodriveindia.com
Pune	SEW-EURODRIVE India Private Limited Jai Tulajabhavani Complex. Office No:- 15 First Floor, Opp. Century Enka Company, MIDC Bhosari, Pune 411 026	Tel. +91 20-65118890 / 91 Fax +91 20 25380721 salespune@seweurodriveindia.com
Raipur	SEW-EURODRIVE India Private Limited A-42, Ashoka Millenium Complex, Ring Road-1, Raipur 492 001 - Chhattisgarh	Tel. +91 771 4090765 Fax +91 771 4090765 salesraipur@seweurodriveindia.com
Ranchi	SEW-EURODRIVE India Private Limited 1D- Shail Madhuri Apartment, Near Kokar Pool, H.B Road, Kokar Ranchi - 834001, Jharkhand.	Tel. +91 82946 30772 salesranchi@seweurodriveindia.com
Tiruchirappalli	SEW-EURODRIVE India Private Limited Plot No.24, Door No.64A Rajaram Salai, K.K Nagar Trichy-620 021, Tamilnadu	Tel. +91 97899 79855 salestrichy@seweurodriveindia.com
Vadodara	SEW-EURODRIVE India Private Limited Unit No. 301, Savorite Bldg, Plot No. 143, Vinayak Society, off old Padra Road, Vadodara - 390 007, Gujarat	Tel. +91 265 2325258 / 6560482 salesvadodara@seweurodriveindia.com
Vizag	SEW-EURODRIVE India Private Limited D.No.7-13-50/1, Near Padmaja hospital, Ramalayam street, Chittinaidu colony, Old gajuwaka, Visakhapatnam - 530026, Andhra Pradesh	Tel. +91 99895 01748 salesvizag@seweurodriveindia.com

Indonesia

Sales	Medan	PT. Serumpun Indah Lestari Jl.Pulau Solor no. 8, Kawasan Industri Medan II Medan 20252	Tel. +62 61 687 1221 Fax +62 61 6871429 / +62 61 6871458 / +62 61 30008041 sil@serumpunindah.com serumpunindah@yahoo.com http://www.serumpunindah.com
	Jakarta	PT. Cahaya Sukses Abadi Komplek Rukan Puri Mutiara Blok A no 99, Sunter Jakarta 14350	Tel. +62 21 65310599 Fax +62 21 65310600 csajkt@cbn.net.id
	Jakarta	PT. Agrindo Putra Lestari Jl.Pantai Indah Selatan, Komplek Sentra Industri Terpadu, Pantai indah Kapuk Tahap III, Blok E No. 27 Jakarta 14470	Tel. +62 21 2921-8899 Fax +62 21 2921-8988 aplindo@indosat.net.id http://www.aplindo.com
	Surabaya	PT. TRIAGRI JAYA ABADI Jl. Sukosemolo No. 63, Galaxi Bumi Permai G6 No. 11 Surabaya 60111	Tel. +62 31 5990128 Fax +62 31 5962666 sales@triagri.co.id http://www.triagri.co.id
	Surabaya	CV. Multi Mas Jl. Raden Saleh 43A Kav. 18 Surabaya 60174	Tel. +62 31 5458589 Fax +62 31 5317220 sianhwa@sby.centrin.net.id http://www.cvmultimas.com

Ireland			
Sales Service	Dublin	Alperton Engineering Ltd. 48 Moyle Road Dublin Industrial Estate Glasnevin, Dublin 11	Tel. +353 1 830-6277 Fax +353 1 830-6458 http://www.alperton.ie info@alperton.ie
Israel			
Sales	Tel Aviv	Liraz Handasa Ltd. Ahofer Str 34B / 228 58858 Holon	Tel. +972 3 5599511 Fax +972 3 5599512 http://www.liraz-handasa.co.il office@liraz-handasa.co.il
Italy			
Assembly Sales Service	Milan	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 20020 Solaro (Milano)	Tel. +39 02 96 980229 Fax +39 02 96 980 999 http://www.sew-eurodrive.it milano@sew-eurodrive.it
Drive Center	Bologna	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via della Grafica, 47 40064 Ozzano dell'Emilia (Bo)	Tel. +39 051 65-23-801 Fax +39 02 96 980 499 bologna@sew-eurodrive.it
	Caserta	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Carlo III Km. 23,300 81020 S. Nicola la Strada (Caserta)	Tel. +39 0823 219011 Fax +39 02 96 980 599 caserta@sew-eurodrive.it
	Pescara	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Viale Europa,132 65010 Villa Raspa di Spoltore (PE)	Tel. +39 085 41-59-427 Fax +39 02 96 980 699 pescara@sew-eurodrive.it
	Turin	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Filiale Torino c.so Unione Sovietica 612/15 - int. C 10135 Torino	Tel. +39 011 3473780 Fax +39 02 96 980 799 torino@sew-eurodrive.it
	Verona	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Antonio Meucci, 5 37042 - Caldiero (VR)	Tel. +39 045 89-239-11 Fax +39 02 96 980 814 verona@sew-eurodrive.it
Ivory Coast			
Sales	Abidjan	SEW-EURODRIVE SARL Ivory Coast Rue des Pêcheurs, Zone 3 26 BP 916 Abidjan 26	Tel. +225 21 21 81 05 Fax +225 21 25 30 47 info@sew-eurodrive.ci http://www.sew-eurodrive.ci
Japan			
Assembly Sales Service	Iwata	SEW-EURODRIVE JAPAN CO., LTD 250-1, Shimoman-no, Iwata Shizuoka 438-0818	Tel. +81 538 373811 Fax +81 538 373814 http://www.sew-eurodrive.co.jp sewjapan@sew-eurodrive.co.jp hamamatsu@sew-eurodrive.co.jp
Technical Offices	Fukuoka	SEW-EURODRIVE JAPAN CO., LTD C-go, 5th-floor, Yakuin-Hiruzu-Bldg. 1-5-11, Yakuin, Chuo-ku Fukuoka, 810-0022	Tel. +81 92 713-6955 Fax +81 92 713-6860 fukuoka@sew-eurodrive.co.jp
	Kyoto	SEW-EURODRIVE JAPAN CO., LTD Kyoto Operation Center 9-1-11 Seikadai, Seika-cho, Souraku-gun, Kyoto 619-0238	Tel. +81 774 98-2750 Fax +81 774 93-2100 sewjapan@sew-eurodrive.co.jp
	Osaka	SEW-EURODRIVE JAPAN CO., LTD Higobashi Shimizu Bldg. 10th floor 1-3-7 Tosabori, Nishi-ku Osaka, 550-0001	Tel. +81 6 6444--8330 Fax +81 6 6444--8338 osaka@sew-eurodrive.co.jp
	Tokio	SEW-EURODRIVE JAPAN CO., LTD Renai Partire Shiodome 5th floor 2-18-3 Higashi-Shinbashi, Minato-Ku, Tokyo 105-0021	Tel. +81 3 3239-0469 Fax +81 3 3239-0943 tokyo@sew-eurodrive.co.jp
Kazakhstan			
Sales	Almaty	SEW-EURODRIVE LLP 291-291A, Tole bi street 050031, Almaty	Tel. +7 (727) 350 5156 Fax +7 (727) 350 5156 http://www.sew-eurodrive.kz sew@sew-eurodrive.kz

	Tashkent	SEW-EURODRIVE LLP Representative office in Uzbekistan 96A, Sharaf Rashidov street, Tashkent, 100084	Tel. +998 71 2359411 Fax +998 71 2359412 http://www.sew-eurodrive.uz sew@sew-eurodrive.uz
	Ulaanbaatar	IM Trading LLC Naryn zam street 62 Sukhbaatar district, Ulaanbaatar 14230	Tel. +976-77109997 Fax +976-77109997 imt@imt.mn
Technical Offices	Karagandy	SEW-EURODRIVE LLP 82, Molokov Street 100004, Karagandy	Tel. +7 (7212) 955 956 Fax +7 (7212) 955 956 karagandy@sew-eurodrive.kz
	Oskemen	SEW-EURODRIVE LLP 181/3, Abai avenue, 070005, Oskemen	Tel. +7 (7212) 913 748 Fax +7 (7212) 913 748 oskemen@sew-eurodrive.kz

Kenya

Sales	Nairobi	SEW-EURODRIVE Pty Ltd Transnational Plaza, 5th Floor Mama Ngina Street P.O. Box 8998-00100 Nairobi	Tel. +254 791 398840 http://www.sew-eurodrive.co.tz info@sew.co.tz
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Latvia

Sales	Riga	SIA Alas-Kuul Katlakalna 11C 1073 Riga	Tel. +371 6 7139253 Fax +371 6 7139386 http://www.alas-kuul.lv info@alas-kuul.com
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Lebanon

Sales (Lebanon)	Beirut	Gabriel Acar & Fils sarl B. P. 80484 Bourj Hammoud, Beirut	Tel. +961 1 510 532 Fax +961 1 494 971 ssacar@inco.com.lb
Sales (Jordan, Kuwait , Beirut Saudi Arabia, Syria)		Middle East Drives S.A.L. (offshore) Sin El Fil. B. P. 55-378 Beirut	Tel. +961 1 494 786 Fax +961 1 494 971 http://www.medrives.com info@medrives.com

Lithuania

Sales	Alytus	UAB Irseva Statybininku 106C 63431 Alytus	Tel. +370 315 79204 Fax +370 315 56175 http://www.irseva.lt irmantas@irseva.lt
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Luxembourg

representation: Belgium

Macedonia

Sales	Skopje	Boznos DOOEL Dime Anicin 2A/7A 1000 Skopje	Tel. +389 23256553 Fax +389 23256554 http://www.boznos.mk
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Malaysia

Assembly Sales Service	Johor	SEW-EURODRIVE SDN BHD No. 95, Jalan Seroja 39, Taman Johor Jaya 81000 Johor Bahru, Johor West Malaysia	Tel. +60 7 3549409 Fax +60 7 3541404 sales@sew-eurodrive.com.my
Technical Offices	Kuala Lumpur	SEW-EURODRIVE SDN BHD No. 2, Jalan Anggerik Mokara 31/46 Kota Kemuning Seksyen 31 40460 Shah Alam Selangor Darul Ehsan West Malaysia	Tel. +60 3 51229633 Fax +60 3 51229622 sewsa@sew-eurodrive.com.my
	Penang	SEW-EURODRIVE SDN BHD No. 38, Jalan Bawal Kimsar Garden 13700 Prai, Penang West Malaysia	Tel. +60 4 3999349 Fax +60 4 3999348 sewpg@sew-eurodrive.com.my

Kuching	SEW-EURODRIVE SDN BHD No. 69, Lot 10899 1st Floor, Jalan Tun Jugah 93350 Kuching Sarawak East Malaysia	Tel. +60 82 572780 Fax +60 82 571780 sewswk@sew-eurodrive.com.my
Kota Kinabalu	SEW-EURODRIVE SDN BHD East Malaysia	Tel. +60 19 7539395 sales@sew-eurodrive.com.my
Ipoh	SEW-EURODRIVE SDN BHD West Malaysia	Tel. +60 19 7177366 sewsa@sew-eurodrive.com.my

Mexiko

Assembly Sales Service	Quéretaro	SEW-EURODRIVE MEXICO S.A. de C.V. SEM-981118-M93 Tequisquiapan No. 102 Parque Industrial Quéretaro C.P. 76220 Querétaro, México	Tel. +52 442 1030-300 Fax +52 442 1030-301 http://www.sew-eurodrive.com.mx scmexico@seweurodrive.com.mx
Sales Service	Puebla	SEW-EURODRIVE MEXICO S.A. de C.V. Calzada Zavaleta No. 3922 Piso 2 Local 6 Col. Santa Cruz Buenavista C.P. 72154 Puebla, México	Tel. +52 (222) 221 248 http://www.sew-eurodrive.com.mx scmexico@seweurodrive.com.mx

Mongolia

Technical Office	Ulaanbaatar	IM Trading LLC Naryn zam street 62 Union building, Suite A-403-1 Sukhbaatar district, Ulaanbaatar 14230	Tel. +976-77109997 Tel. +976-99070395 Fax +976-77109997 http://imt.mn/ imt@imt.mn
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Morocco

Sales Service	Bouskoura	SEW-EURODRIVE Morocco Parc Industriel CFCIM, Lot 55 and 59 Bouskoura	Tel. +212 522 88 85 00 Fax +212 522 88 84 50 http://www.sew-eurodrive.ma sew@sew-eurodrive.ma
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Namibia

Sales	Swakopmund	DB Mining & Industrial Services Einstein Street Strauss Industrial Park Unit1 Swakopmund	Tel. +264 64 462 738 Fax +264 64 462 734 anton@dbminingnam.com
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Netherlands

Assembly Sales Service	Rotterdam	SEW-EURODRIVE B.V. Industrieweg 175 3044 AS Rotterdam Postbus 10085 3004 AB Rotterdam	Tel. +31 10 4463-700 Fax +31 10 4155-552 Service: 0800-SEWHELP http://www.sew-eurodrive.nl info@sew-eurodrive.nl
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New Zealand

Assembly Sales Service	Auckland	SEW-EURODRIVE NEW ZEALAND LTD. P.O. Box 58-428 82 Greenmount drive East Tamaki Auckland	Tel. +64 9 2745627 Fax +64 9 2740165 http://www.sew-eurodrive.co.nz sales@sew-eurodrive.co.nz
	Christchurch	SEW-EURODRIVE NEW ZEALAND LTD. 30 Lodestar Avenue, Wigram Christchurch	Tel. +64 3 384-6251 Fax +64 3 384-6455 sales@sew-eurodrive.co.nz
Technical Office	Palmerston North	SEW-EURODRIVE NEW ZEALAND LTD. C/-Grant Shearman, RD 5, Aronui Road Palmerston North	Tel. +64 6 355-2165 Fax +64 6 355-2316 sales@sew-eurodrive.co.nz

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Sambia

representation: South Africa

Senegal

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Serbia

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Singapore

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Vietnam

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	Hanoi	MICO LTD Quảng Trị - North Vietnam / All sectors except Construction Materials 8th Floor, Ocean Park Building, 01 Dao Duy Anh St, Ha Noi, Viet Nam	Tel. +84 4 39386666 Fax +84 4 3938 6888 nam_ph@micogroup.com.vn http://www.micogroup.com.vn

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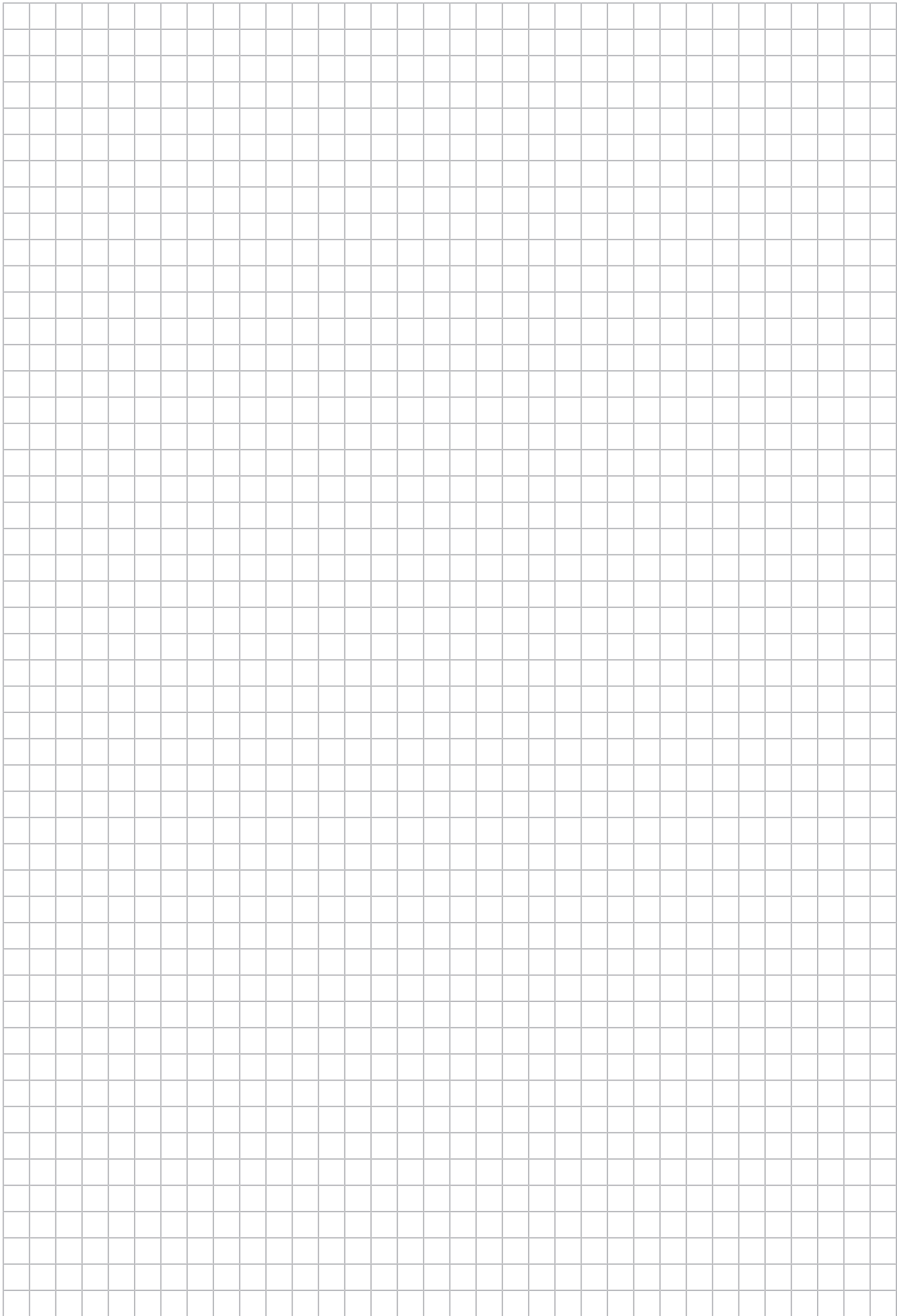
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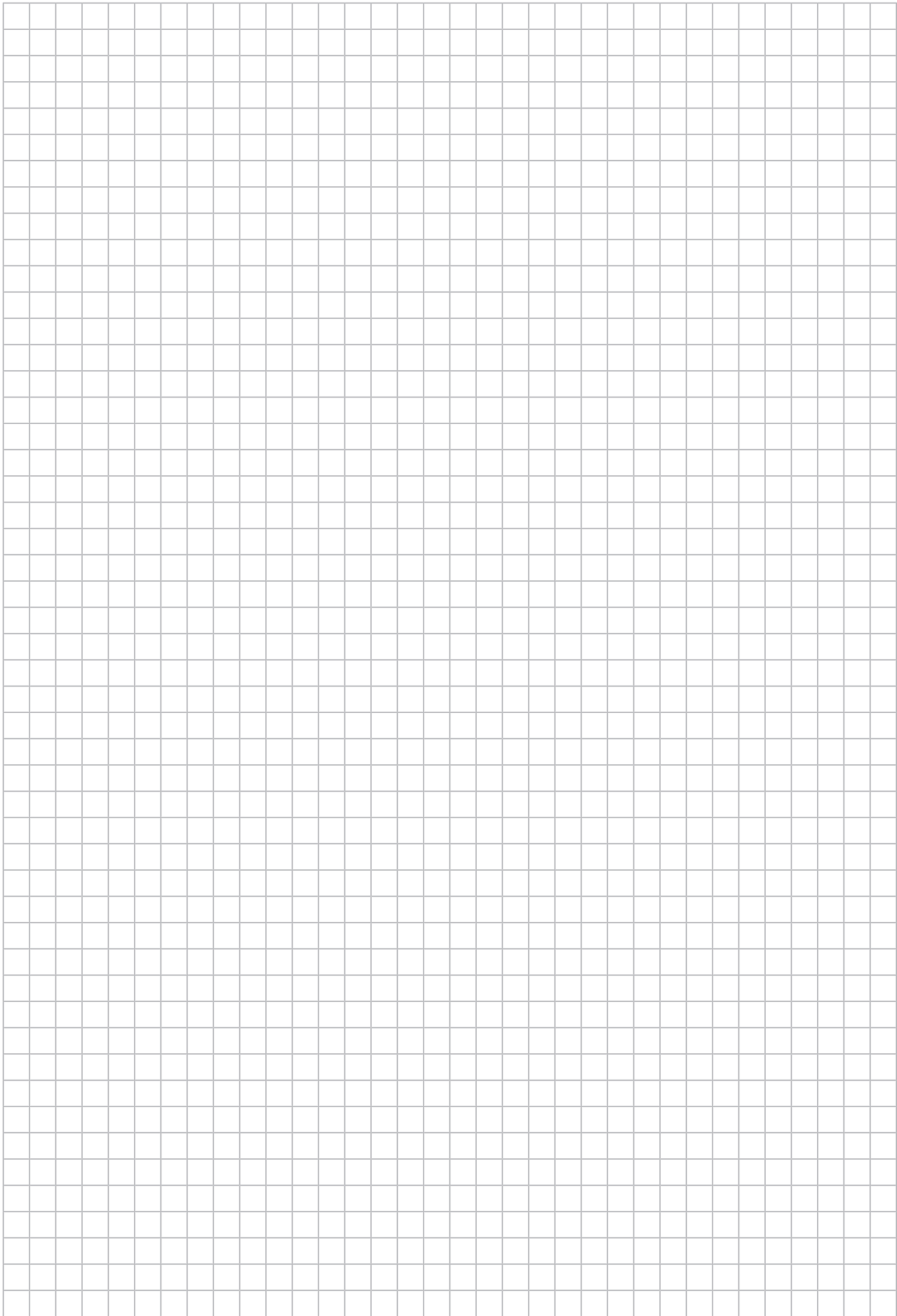
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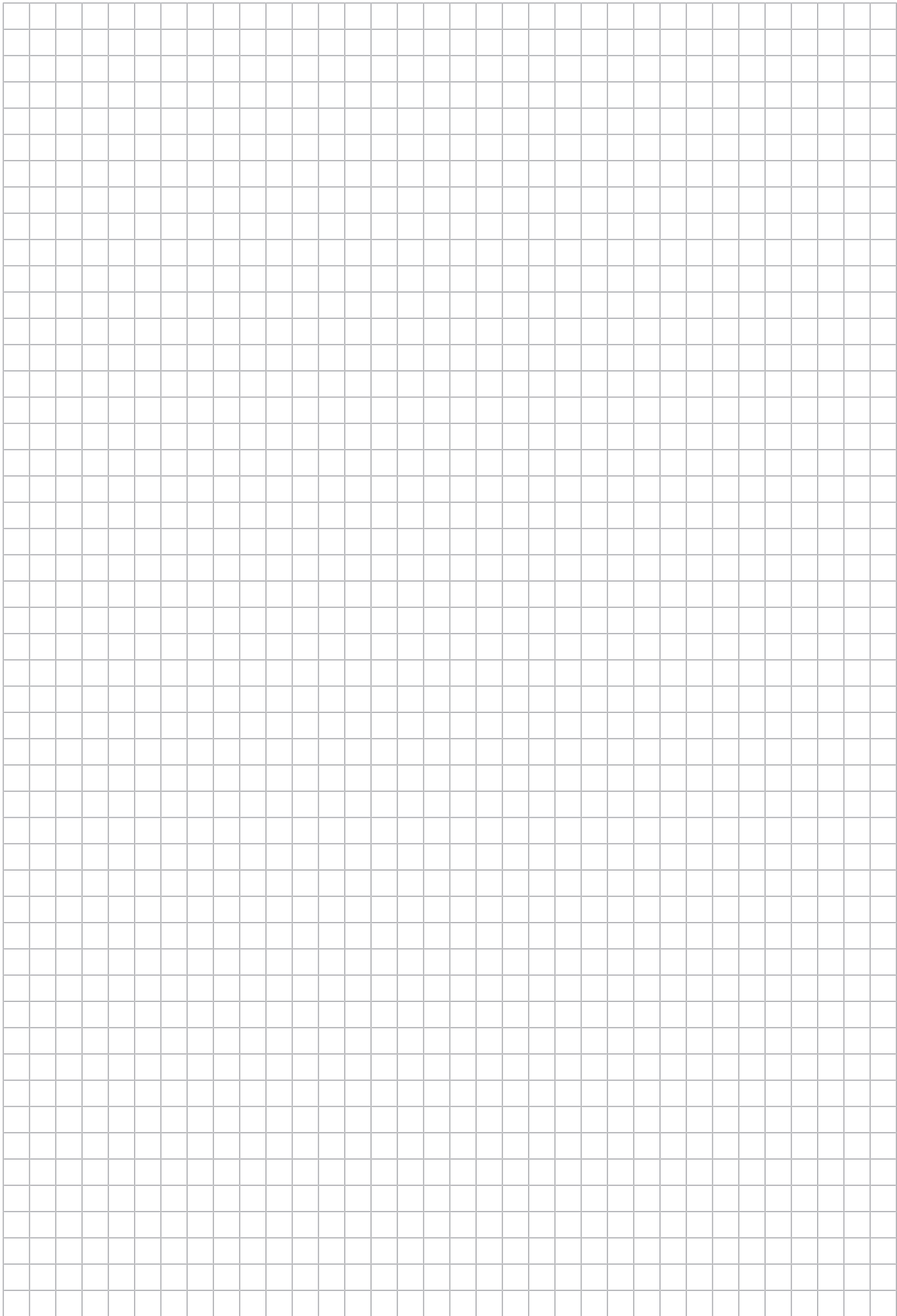
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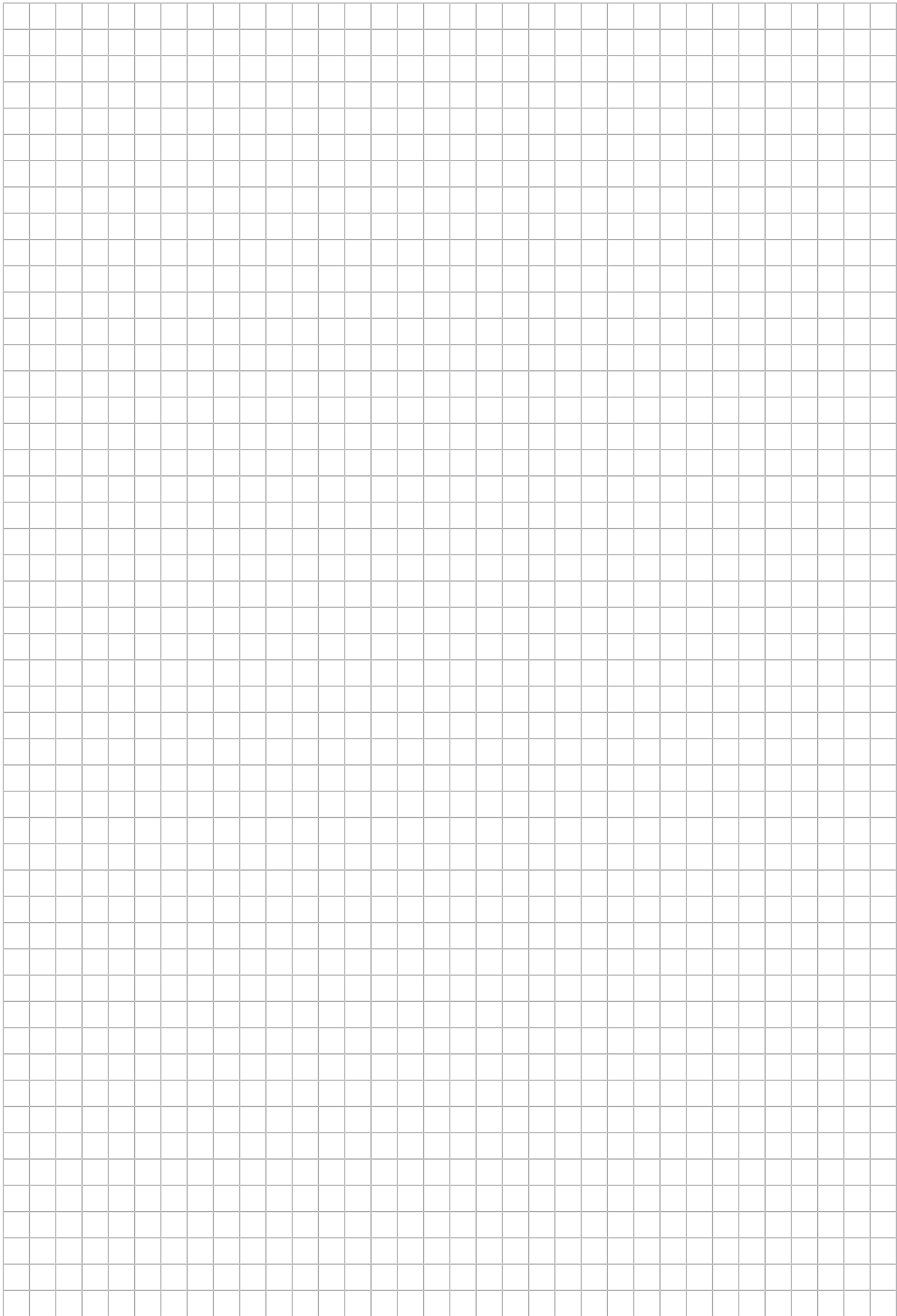
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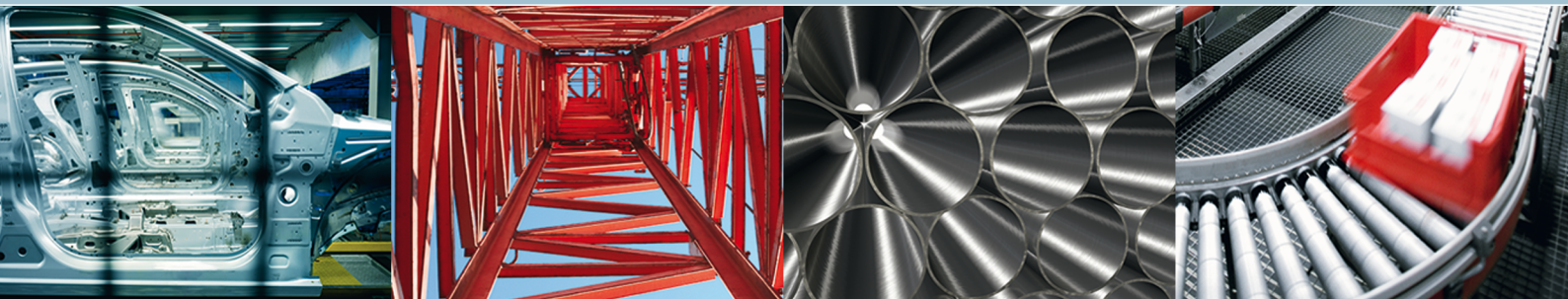
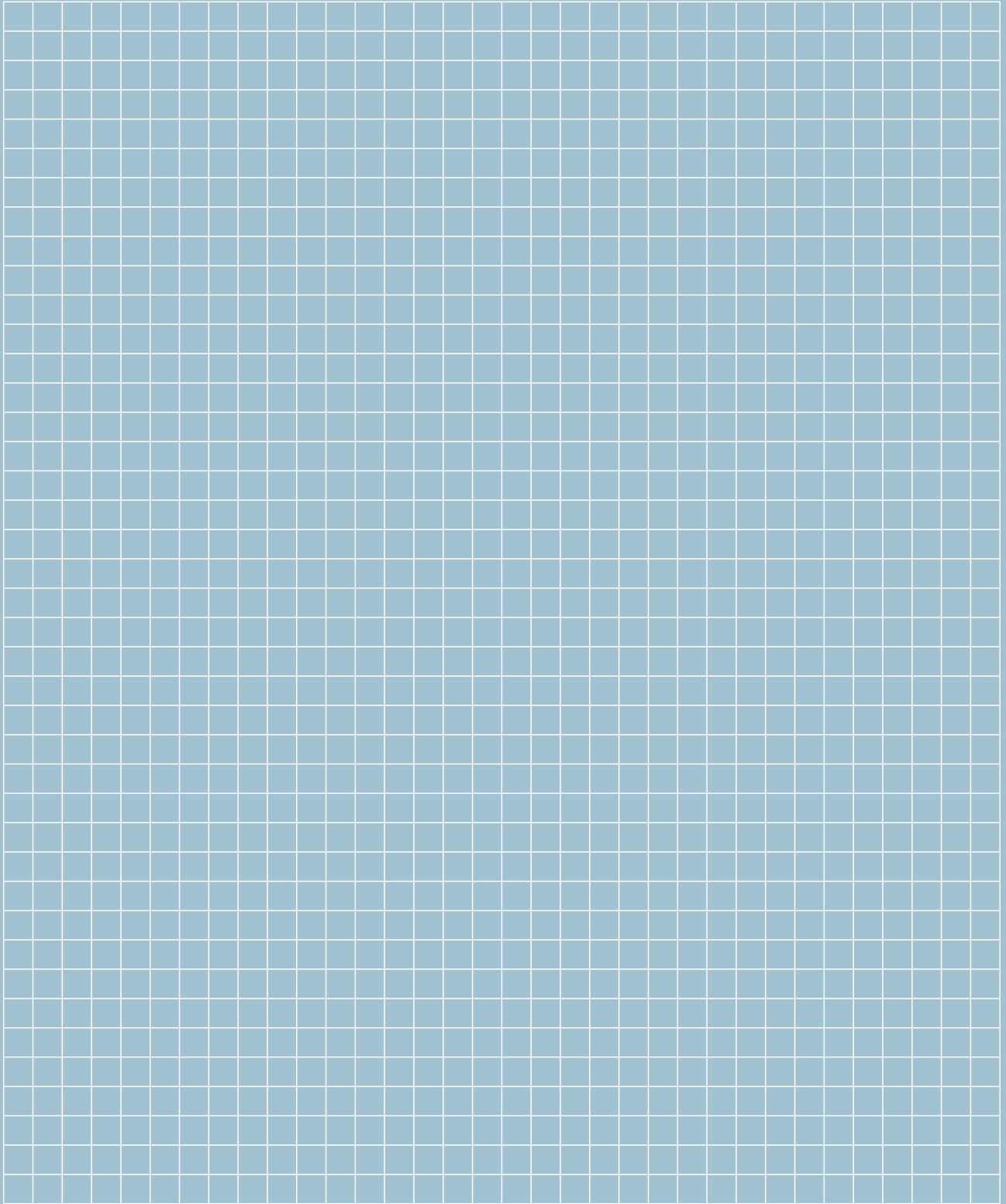
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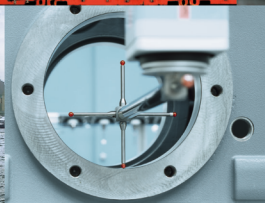












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