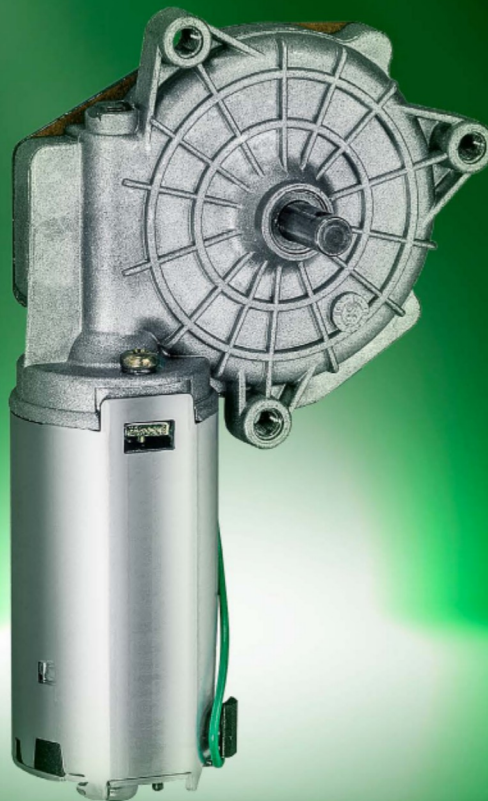


SWMP

As 12-volt and 24-volt motor with Interference suppression and hall sensors



Technical description

- | | |
|--------------------------|-------------------------------------------------------|
| Motor housing | Sheet steel, rolled & corrosion protection |
| Magnetic field | Permanent magnet |
| Type of transmission | Worm gear transmission |
| Transmission housing | Zinc die casting |
| Gearwheel material | Plastic, metal |
| Transmission lubrication | Grease, permanent lubrication |
| Mechanical interface | Drive shaft |
| Electrical interface | Stranded wires with plug or tin-plated stranded wires |
| Sensor | Optional |
| Thermal protection | Optional |
| Interference suppression | Optional |

Applications

Industry

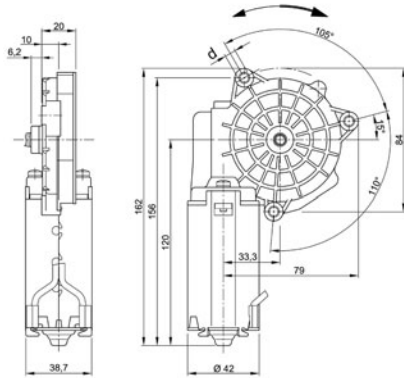
General mechanical engineering, machines, agricultural technology, office machines, laboratory devices, medical technology, traffic and communication technology, photo/optics

- Information
- GMK · GML
- GMP
- GMAG
- GMP1
- GMPS
- GMPD
- GMPG
- SWMP**
- DCK31
- DCK35
- SW2L
- SWNV
- SWMG
- SW3K

Series SWMP

Motor type 403 194

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	50.0
Nominal power [W]	P_N	8.73
Nominal current [A]	I_N	1.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

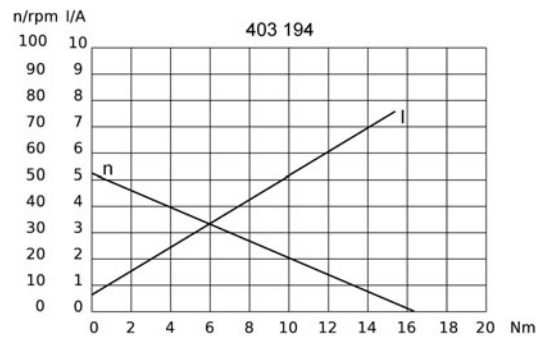
Other data	
Gear ratio	85/1
Gear wheel material	Resinbonded fabric
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = M6

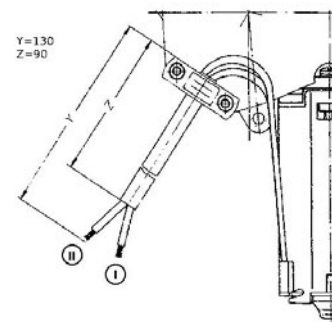
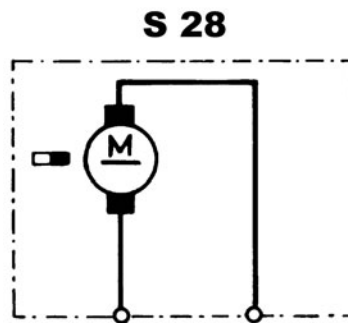
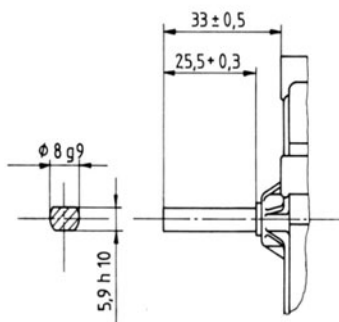
Motor picture



Characteristic curves



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)

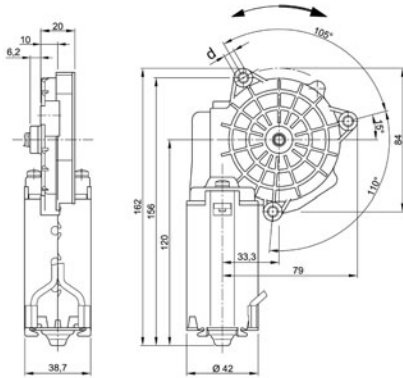


I: green
II: black

Series SWMP

Motor type 403 279

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



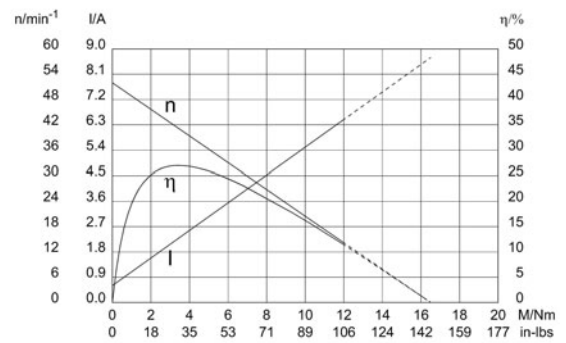
Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	54.0
Nominal power [W]	P_N	9.94
Nominal current [A]	I_N	1.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

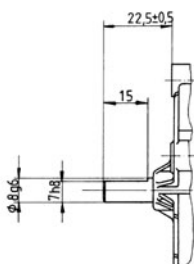
Other data	
Gear ratio	85/1
Gear wheel material	Plastic
Suppression components	7.5 μ H, 47nF
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = 7.5mm, Ball bearing

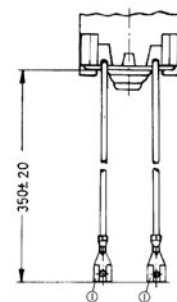
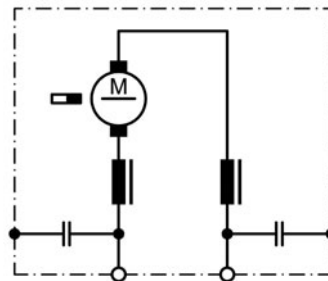
Motor picture



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



S 30

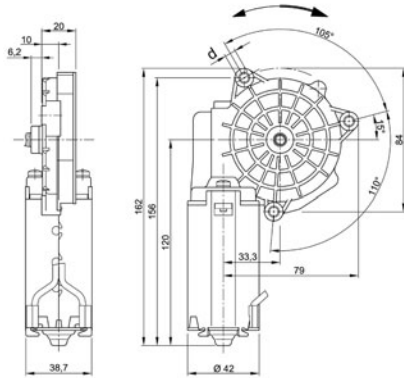


Spade connector 4.8 DIN 46 247

Series SWMP

Motor type 403 280

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	52.0
Nominal power [W]	P_N	9.57
Nominal current [A]	I_N	0.0
Nominal force [kN]	F_N	0.00
Duty cycle		s1

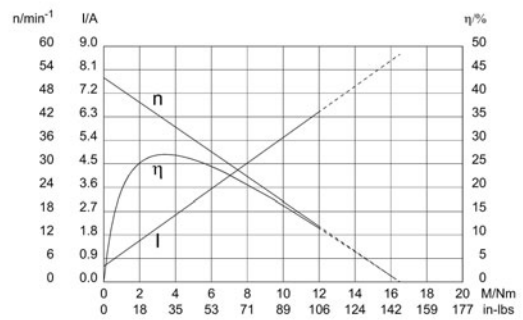
Sensor data	
Pulses	0
Output channels	0

Other data	
Gear ratio	85/1
Gear wheel material	Plastic
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

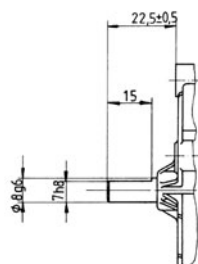
Remarks: d = 7.5mm, Ball bearing

Characteristic curves

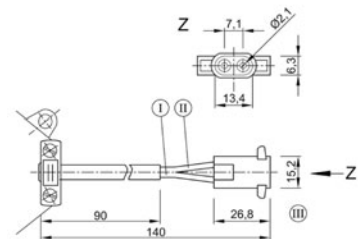
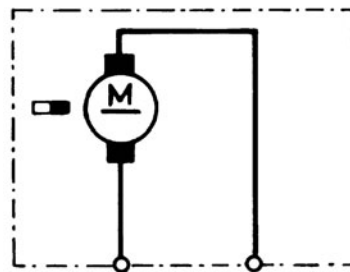
Motor picture



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



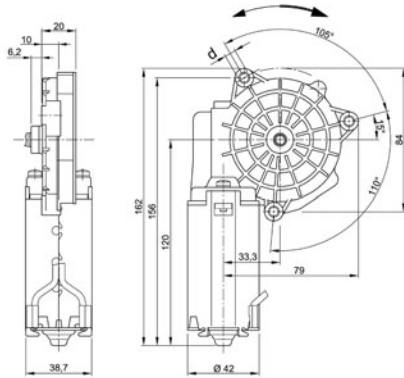
S 28



Series SWMP

Motor type 403 281

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	52.0
Nominal power [W]	P_N	9.34
Nominal current [A]	I_N	1.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

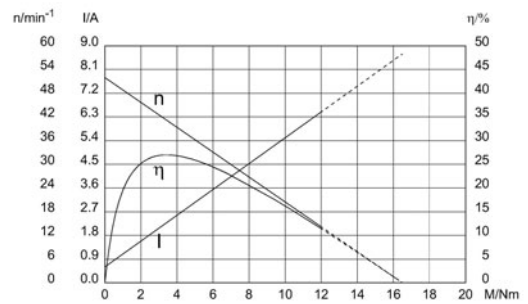
Other data	
Gear ratio	85/1
Gear wheel material	Plastic
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = M6, Ball bearing

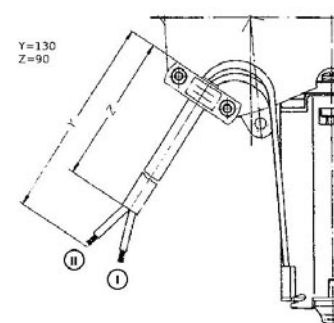
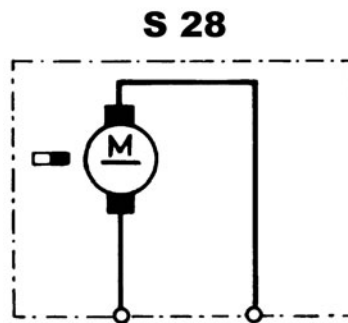
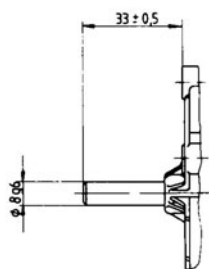
Motor picture



Characteristic curves



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



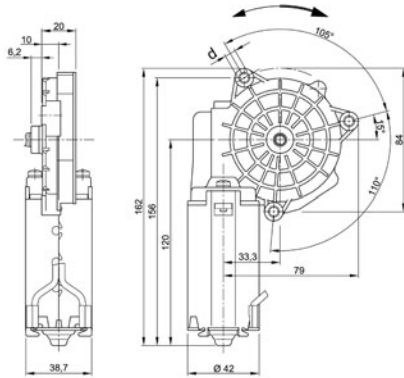
I: green
II: black

Series SWMP

Motor type 403 290

Design Data

Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



Performance data

Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	52.0
Nominal power [W]	P_N	9.34
Nominal current [A]	I_N	1.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data

Pulses	0
Output channels	0

Other data

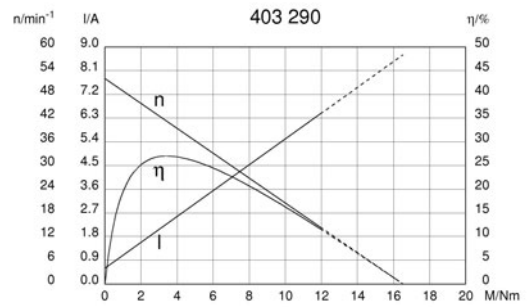
Gear ratio	85/1
Gear wheel material	Plastic
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = M6, Ball bearing

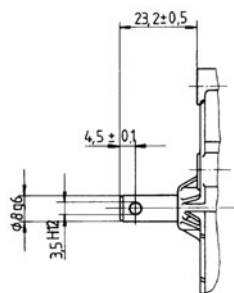
Motor picture



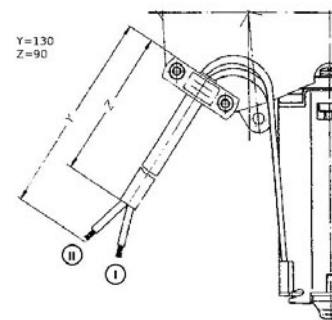
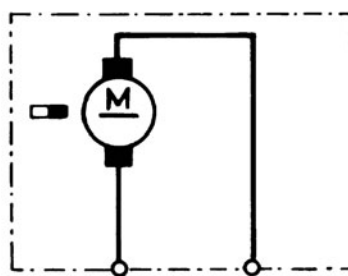
Characteristic curves



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



S 28



I: green
II: black

Series SWMP

Motor type 403 304

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	

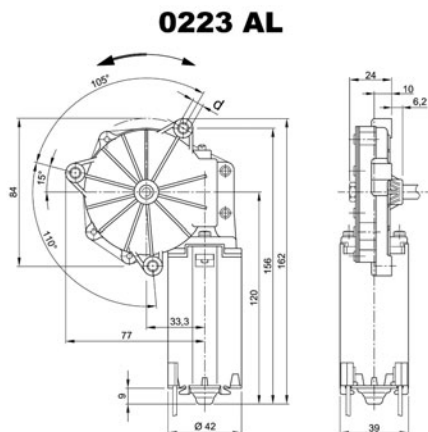
Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	1.30
No-load speed [min^{-1}]	n_0	110.0
Nominal power [W]	P_N	12.2
Nominal current [A]	I_N	2.6
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

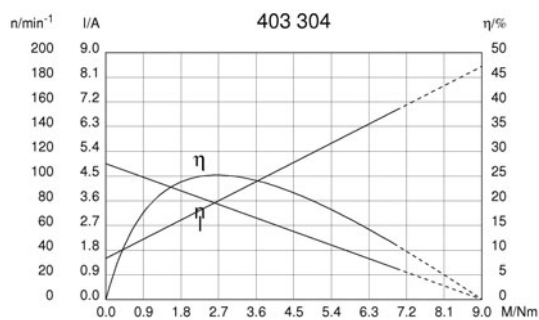
Other data	
Gear ratio	83/2
Gear wheel material	Plastic
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = M6, Ball bearing

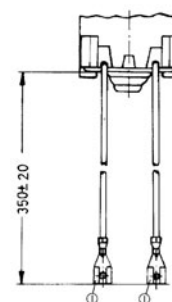
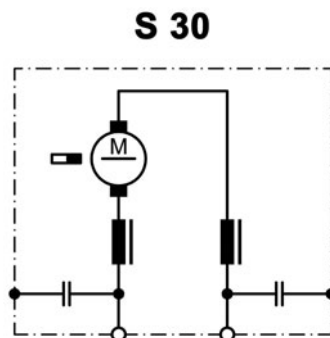
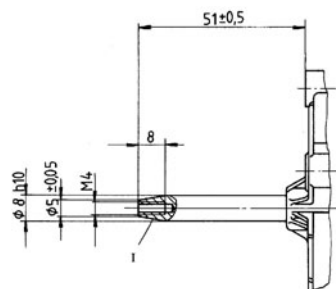
Characteristic curves



Motor picture



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



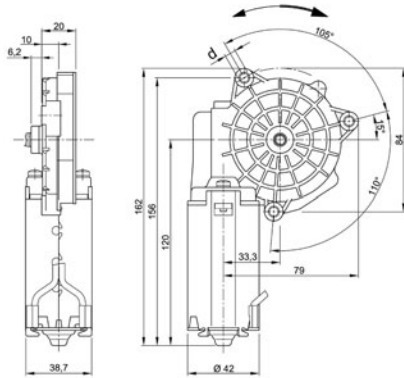
I: Cone 1:4

Spade connector 4.8 DIN 46 247

Series SWMP

Motor type 403 712

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



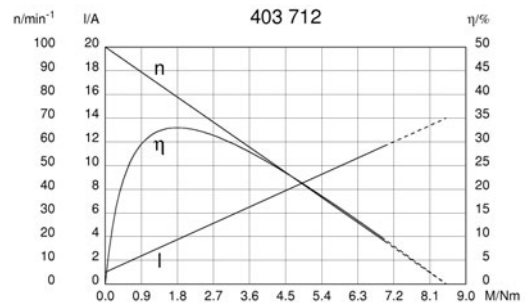
Performance data		
Rated voltage [V]	U_N	12
Nominal torque [Nm]	M_N	1.30
No-load speed [min^{-1}]	n_0	100.0
Nominal power [W]	P_N	11.1
Nominal current [A]	I_N	3.0
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

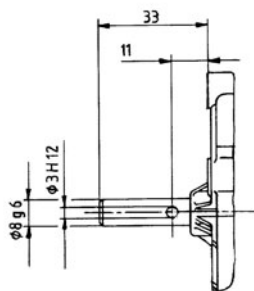
Other data	
Gear ratio	83/2
Gear wheel material	Plastic
Suppression components	
Enclosure class	IP30
Weight [kg]	0.710

Remarks: d = M6, Ball bearing

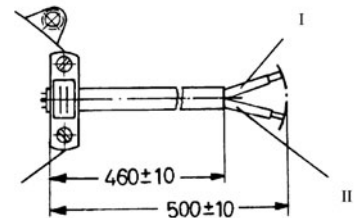
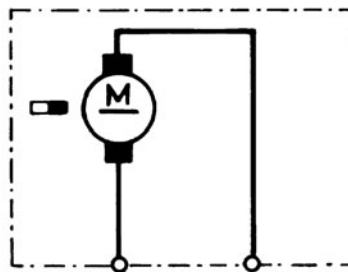
Motor picture



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



S 28

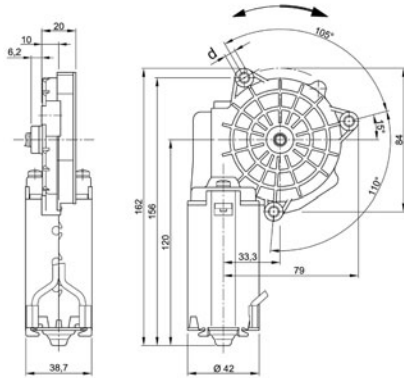


I: black
II: green

Series SWMP

Motor type 404 003

Design Data	
Commutation	Brushed
Direction of rotation	Bi-directional
Bearing type	



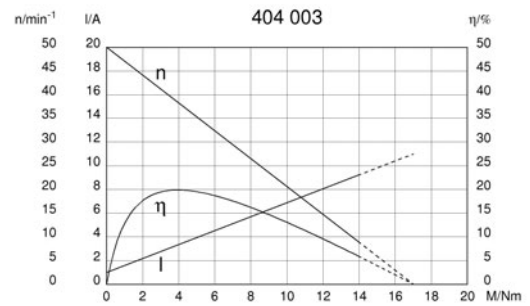
Performance data		
Rated voltage [V]	U_N	24
Nominal torque [Nm]	M_N	2.00
No-load speed [min^{-1}]	n_0	50.0
Nominal power [W]	P_N	8.98
Nominal current [A]	I_N	2.5
Nominal force [kN]	F_N	0.00
Duty cycle		s1

Sensor data	
Pulses	0
Output channels	0

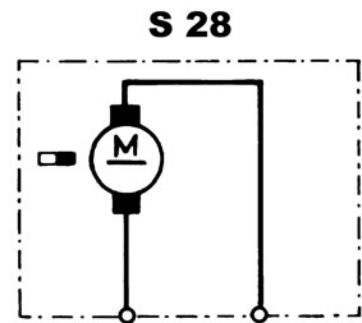
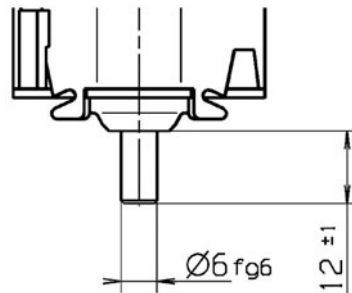
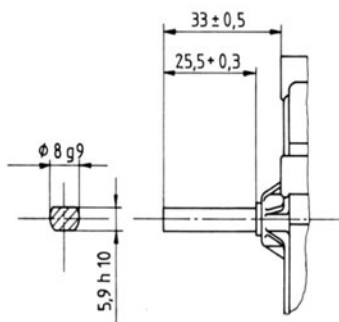
Other data	
Gear ratio	99/1
Gear wheel material	Resinbonded fabric
Suppression components	
Enclosure class	
Weight [kg]	0.710

Remarks: d = M6, Ball bearing

Motor picture



Output shaft drawing (W), Wiring diagrams (S) and Connector layout (K)



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Fax +49 51 61 48 63 233
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