

# SW2L

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



## Technical description

Motor housing	Sheet steel deep drawn & protected against corrosion
Magnetic field	Permanent magnet
Type of transmission	Worm gear transmission
Transmission housing	Aluminium die casting
Gearwheel material	Plastic
Transmission lubrication	Grease, permanent lubrication
Mechanical interface	Drive shaft
Electrical interface	Plug
Sensor	Optional
Thermal protection	-
Interference suppression	Optional

## Applications

**Industry**  
 Door opener, patient lifter, mechanical engineering

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

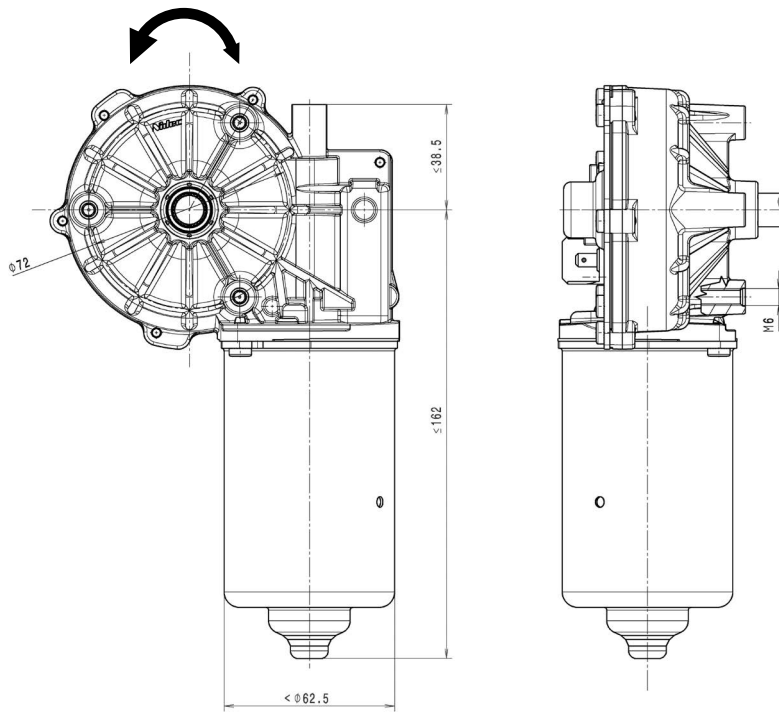
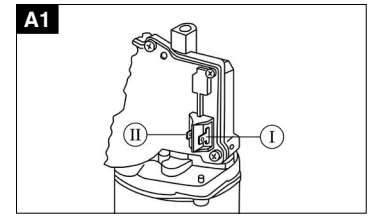
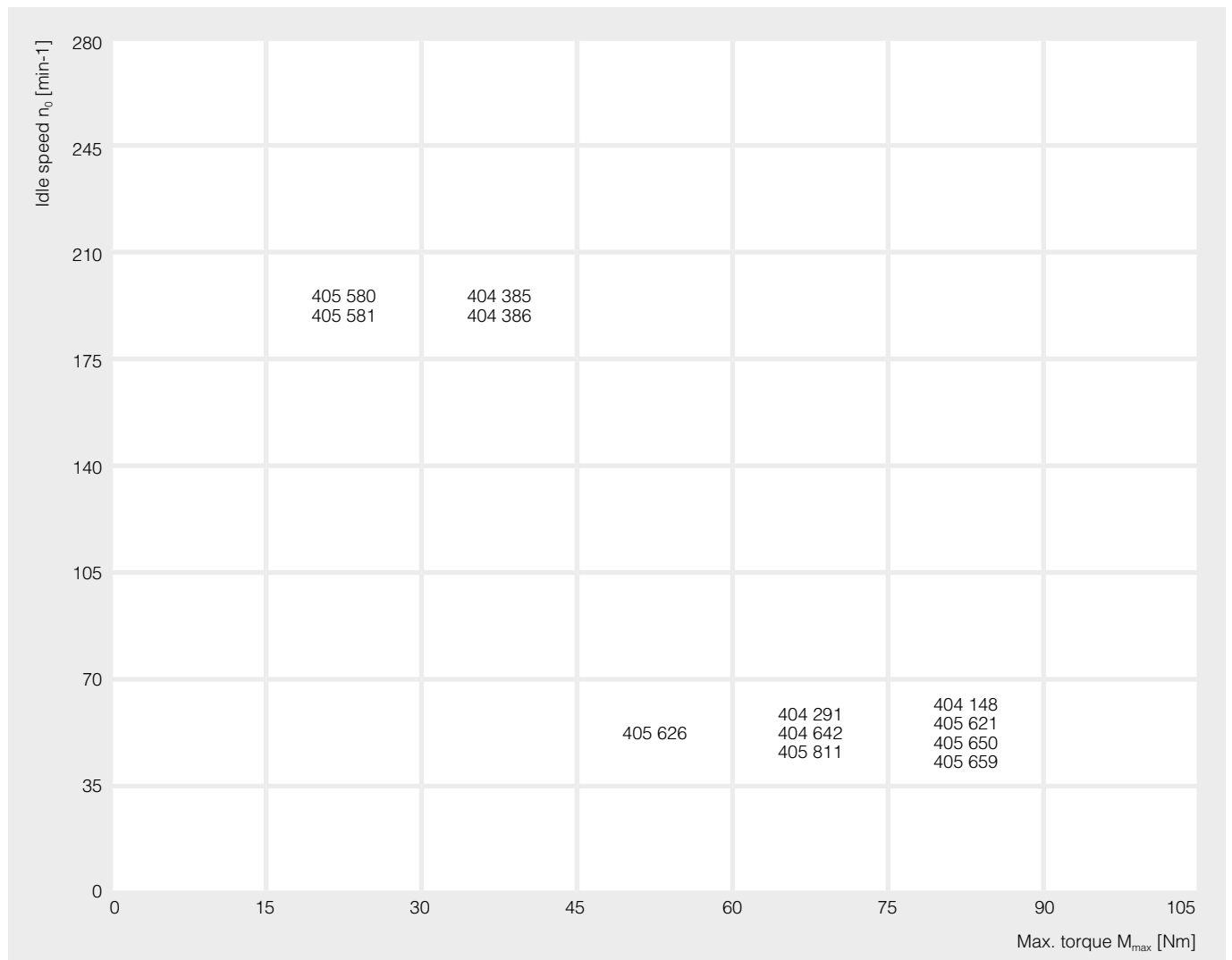


Image shows the transmission design on the left

### Connections



### Product matrix

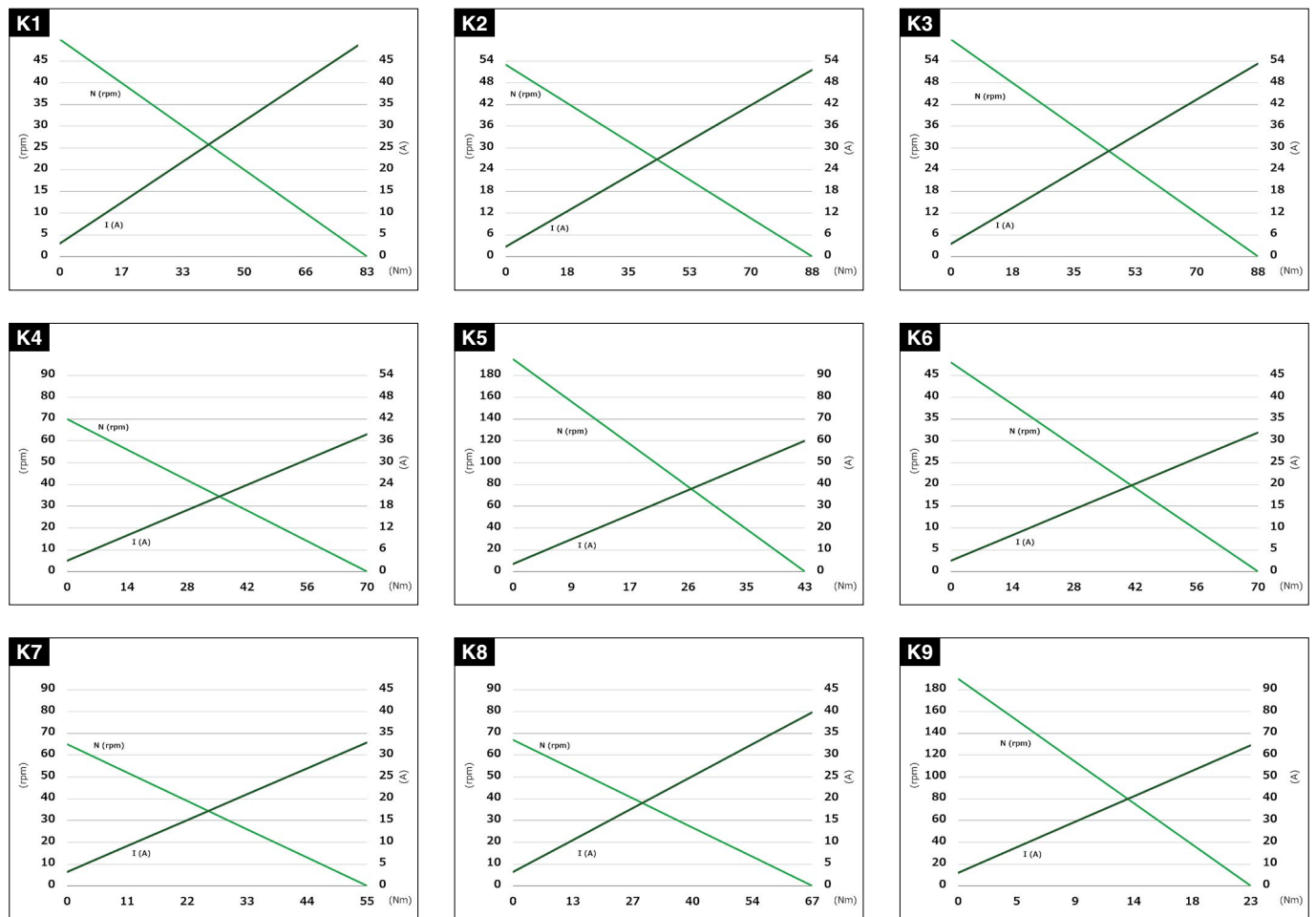


- Information
- GML
- GMP
- GMAG
- GMPI
- GMPS
- GMPD
- GMPG
- SWMP
- DCK31
- DCK35
- SW2L**
- SWMV
- SWMG
- SW3K

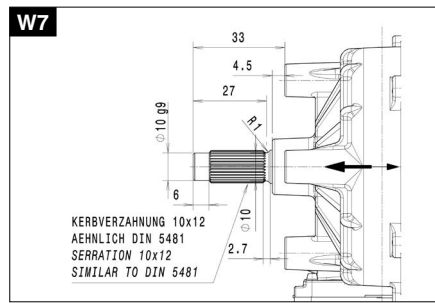
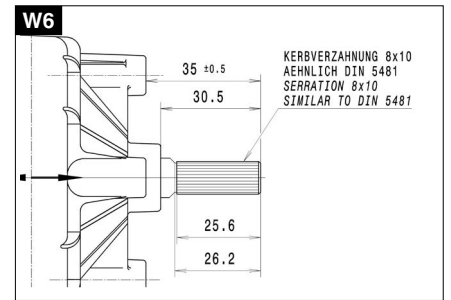
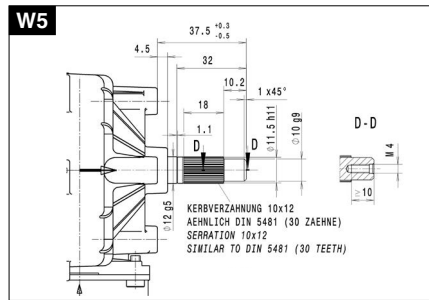
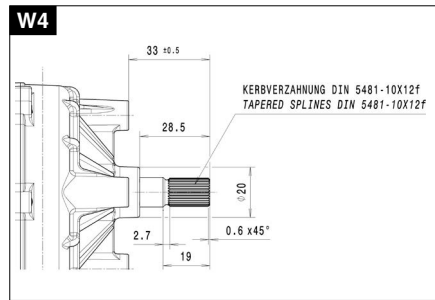
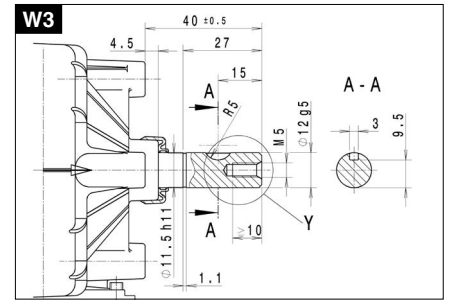
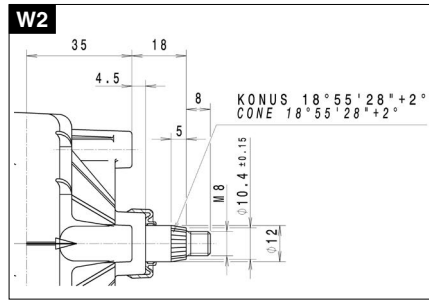
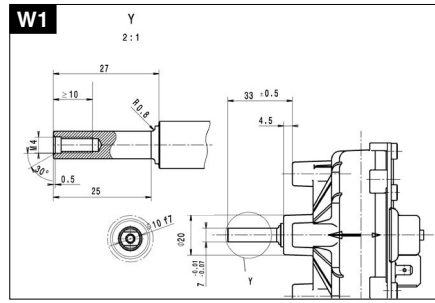
# Overview

Type	Nominal voltage	Max. torque	Idle speed	Nominal output	Nominal current	No-load current	Max. power	Hall sensors	Gear reduction	Gearwheel material	Thermal switch	Interference suppression	Transmission housing	Characteristic curve	Shaft	Electrical connection
404 148	24.0	83.0	50.0	103.0	4.3	3.0	49.0	N	74:1	K	N	J	rh	K1	W1	A1
404 291	24.0	69.6	70.0	203.0	8.5	3.0	37.8	N	55:1	K	N	J	lh	K4	W2	A1
404 385	24.0	43.4	195.0	166.4	6.9	3.5	59.7	N	103:4	K	N	J	lh	K5	W3	A1
404 386	24.0	43.4	195.0	166.4	6.9	3.5	59.7	N	103:4	K	N	J	rh	K5	W3	A1
404 642	24.0	70.2	48.0	130.3	5.4	2.5	31.9	1	74:1	K	J	J	lh	K6	W4	A1
405 580	12.0	22.5	190.0	160.8	13.4	6.0	64.5	N	103:4	K	N	J	lh	K9	W3	A1
405 581	12.0	22.5	190.0	160.8	13.4	6.0	64.5	N	103:4	K	N	J	rh	K9	W3	A1
405 621	24.0	88.3	53.0	165.2	6.9	2.7	51.6	2	74:1	K	N	J	lh	K2	W5	A1
405 626	24.0	54.8	65.0	168.4	7.0	3.2	32.9	1	74:1	K	N	J	lh	K7	W6	A1
405 650	24.0	87.8	60.0	123.6	5.2	3.5	53.3	2	74:1	K	N	J	lh	K3	W4	A1
405 659	24.0	85.7	50.0	344.0	4.3	3.0	53.0	N	74:1	K	N	J	rh	K1	W7	A1
405 811	24.0	67.0	67.0	169.4	7.1	3.2	39.8	2	74:1	K	N	J	lh	K8	W6	A1

## Characteristic curves



Shafts



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

# Global distributors

## Belgium

Eisses Import B.V.  
Admiraal Trompstraat 11  
3115 HK Schiedam  
Tel. +31 1 02 46 00 18  
Fax +31 1 02 46 00 19  
info@eissesbv.nl  
www.eissesbv.nl

## Denmark

Wald Antriebe GmbH  
Hanns-Hoerbiger-Straße 1  
29664 Walsrode  
Tel. +49 51 61 48 63 20  
Fax +49 51 61 48 63 233  
info@waldantriebe.de  
www.waldantriebe.de

## Germany - West

101 automation GmbH  
Schallbruch 19-21  
42781 Haan  
Tel. +49 21 29 37 63 50  
Fax +49 21 29 37 63 59  
sales@101automation.de  
www.101automation.de

## Germany - East

JBW GmbH  
Jakob-Baumann-Straße 5  
81249 Munich  
Tel. +49 89 89 74 54 30  
Fax +49 89 89 74 54 310  
info@elektromotore.eu  
www.elektromotore.eu

## Germany - South

Ott GmbH & Co. KG  
Baarstraße 3  
78652 Deisslingen  
Tel. +49 74 20 93 99 0  
info@ott-antriebe.de  
www.ott-antriebe.de

## Germany - North

Wald Antriebe GmbH  
Hanns-Hoerbiger-Straße 1  
29664 Walsrode  
Tel. +49 51 61 48 63 20  
Fax +49 51 61 48 63 233  
info@waldantriebe.de  
www.waldantriebe.de

## Finland

Oy Movetec Ab  
Suokalliontie 9  
01740 VANTAA  
Tel. +35 89 52 59 23 0  
Fax +358 9 5259 2333  
info@movetec.fi  
www.movetec.fi

## France

Comotech Industries SAS  
6 rue des Blonnières  
CS 82441  
44115 Haute Goulaine  
Tel. +33 2 40 05 05 05  
Fax +33 2 40 05 05 03  
accueil@comotech.fr  
www.comotech-industries.fr

## United Kingdom

Electro Mechanical Systems Ltd  
Eros House, Calleva Park, Aldermaston  
Berkshire RG7 8LN  
Tel. +44 11 89 81 73 91  
Fax +44 11 89 81 76 13  
info@ems-ltd.com  
www.ems-limited.co.uk

## India

Strategi Automation Solutions Pvt Ltd  
Plot 25/B, Dodannakundi Indl Estate  
560048 Bangalore  
Tel. +91 99 80 56 38 50  
Fax +91 80 41 16 30 47  
arun@strategiautomation.com  
www.strategiautomation.com

## Israel

Mechatronics Ltd.  
P.O. Box 3818  
49130 Petach-Tikva  
Tel. +97 2 39 28 88 88  
Fax +97 2 39 28 88 80  
office@mechatronics.co.il  
www.mechatronics.co.il

## Italy

Motech S.p.A.  
Via Salvemini, 20  
41122 Modena  
Tel. +39 59 45 42 96  
Fax +39 59 45 16 93  
m.coda@motech-italia.com  
www.motech-italia.com

## Japan

Nidec-Shimpo Corp  
1 Terada Kohtari, Nagaokakyo City  
617-0833 Kyoto  
Tel. +81 7 59 58 38 86  
Fax +81 7 59 58 36 48  
shinichi.takahashi@nidec-shimpo.co.jp  
www.nidec-shimpo.co.jp

## Canada

Drive Systems Group  
7150 Torbram Road, Unit 1 & 2  
L4T 3Z8 Mississauga, ON  
Tel. +1 90 54 05 03 10  
Fax +1 90 54 05 03 13  
georger@drivesystemsgroup.com  
www.drivesystemsgroup.com

## The Netherlands

Eisses Import B.V.  
Admiraal Trompstraat 11  
3115 HK Schiedam  
Tel. +31 1 02 46 00 18  
Fax +31 1 02 46 00 19  
info@eissesbv.nl  
www.eissesbv.nl

## Norway

Aratron AS  
Bjernerudveien 17  
1266 Oslo  
Tel. +47 23 19 16 60  
Fax +47 23 19 16 61  
christer@aratron.no  
www.aratron.no

## Austria

Kwapil & Co GmbH  
Kammelweg 9  
1210 Vienna  
Tel. +43 12 78 85 85  
verkauf@kwapil.com  
www.kwapil.com

## Poland

WH Technologies Sp. z o o  
ul. Pusta 3c  
82-550 Prabuty  
Tel. +48 58 67 75 571  
Fax +48 58 67 75 574  
whmotor@wh-tech.pl  
www.whmotors.pl

## Sweden

KG Knutsson AB  
Hammarbacken 8  
191 49 Sollentuna  
Tel. +46 8 92 30 0  
johan.nilsson@kgk.se  
www.kgk.se

## Switzerland

Antrimon Motion AG  
Gotthardstraße 3  
5630 Muri (AG)  
Tel. +41 5 66 75 40 30  
Fax +41 5 66 75 40 31  
motion@antrimon.com  
www.antrimon.com

## Slovakia

Opis Engineering, s.r.o  
Lucna 476  
03202 Zavazna Poruba  
Tel. +42 14 44 55 14 31 0  
Fax +42 14 45 54 72 34  
opis@opis.sk  
www.opis.sk

## Spain

Útiles Cerámicos, S.A.  
C/ San Jaime, 198 - Ap. 118  
12550 - Almazora (Castellón)  
Tel. +34 96 45 03 333  
Fax +34 96 45 50 712  
ucersa@ucersa.com  
www.ucersa.com

## Czech Republic

Opis Engineering k.s.  
Selská 64  
61400 Brno-Maloměřice  
Tel. +42 05 43 33 00 55  
Fax +42 05 43 24 26 53  
cada@opis.cz  
www.opis.cz

## Turkey

S-M KRON Elektronik A.S.  
Nilufer Ticaret Merkezi 66. Sokak No:6-8  
16120 Nilufer-BURSA  
Tel. +90 22 44 43 52 33  
Fax +90 22 44 43 52 42  
ahmetselim@s-mikron.com.tr  
www.s-mikron.com.tr

## USA

Power Electric  
15300 25th Ave North, Suite 400  
Plymouth MN 55447  
Tel. +1 76 3 383 60 07  
Fax +1 76 35 53 12 42  
info@powerelectric.com  
www.powerelectric.com



Nidec Motors & Actuators (Germany) GmbH  
Seewiesenstraße 9  
74321 Bietigheim-Bissingen

Tel. +49 (0) 71 42 / 508-0  
Fax +49 (0) 71 42 / 508-20 10  
sales@nidec.com

www.nidec.com