Приводы для тяжелых условий cm

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

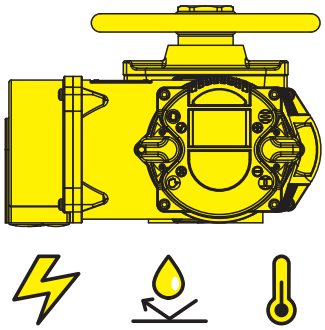
Россия +7(495)268-04-70
Казахстан +7(727)345-47-04
Беларусь +(375)257-127-884
Узбекистан +998(71)205-18-59
Киргизия +996(312)96-26-47

эл.почта: sfz@nt-rt.ru || сайт: https://schiebel.nt-rt.ru/

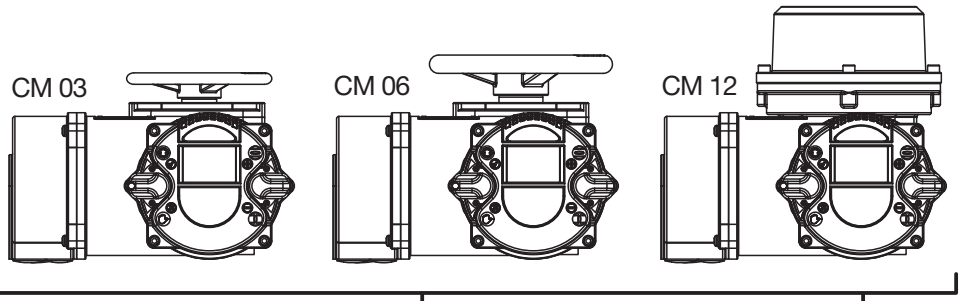
3 level concept

1 Basic Setting

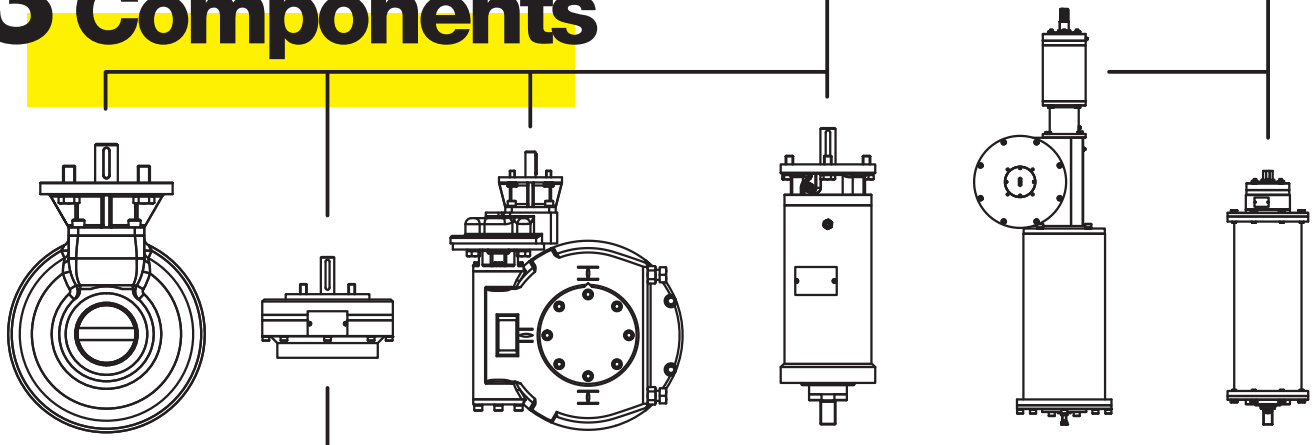
Explosion Protection
Power Supply
Corrosion Protection
Ambient Conditions
Network Connection



2 Sizing



3 Components



Multiturn
Bevel Gear

Part-Turn
Planetary Gear

90°
Worm Gear

Linear
Ball Screw Gear

90° **Failsafe**
Spring Return

Linear **Failsafe**
Spring Return

cm series

Design

Using intelligent design and high-quality materials, SCHIEBEL has raised the CM Series to a whole new level in terms of longevity and availability. The low weight and compact size simplify handling and ensure that the electric actuators in the CM Series can put all their advantages on full display, even under cramped conditions. This gives planners the leeway they need.

Technology

SCHIEBEL now couples the enormous flexibility of the CM Series electric actuators with top performance. A speed ratio of 1:50 is achieved using a brushless DC motor in combination with a frequency converter. This technology enables extremely high actuator speeds while also achieving ultra-precise control to the nearest 0.1%. For users, this opens up new possibilities that extend far beyond simple ON/OFF functionality. Dynamic, smooth movements go easy on the drive and fittings while the highly accurate variable-speed control unit predestines the CM Series for a large number of applications in process automation.

Smart manufacturing

Of course the actuators in the CM Series can be networked by means of Internet-based bus systems. The interfaces required for this are all available. With a BT app and PC software developed in-house, SCHIEBEL has come up with the right answer to current and future questions relating to Industry 4.0 and the Internet of Things – covering everything from parameter setting and troubleshooting to remote maintenance.

Modular system

The CM drives from SCHIEBEL are built from scratch in modular design. A small number of components, which are also identical across most of the size versions, is wed here with a large number of options to provide customers with precisely the functions they need for their application, as required. This means, on the one hand, maximum cost-efficiency because features not needed for the actual application do not have to be purchased and on the other, the utmost flexibility for system planners and operators because a subsequent upgrade is possible for most of the functions.

SCHIEBEL

total flexible

Engineering

One of the core areas of expertise and a reason for the success of the CM technology thus far has been the hardware and software engineering conducted in-house at SCHIEBEL. The perfect coordination of hardware and software helps the user in setting parameters and in handling operations. With many projects becoming increasingly international in character, SCHIEBEL has integrated multi-voltage inputs in its CM drives. This allows them to be used globally without any hardware adaptation.

Service

Personal service, quick on-site support and comprehensive online documentation ensure the trouble-free installation and the safe, reliable operation of all products from SCHIEBEL.

Failsafe

All size versions in the CM Series can be equipped with an optional mechanical spring that guarantees safe, reliable opening and closing in the event of a failure – even in a power outage. If the mechanical fail-safe function is employed parallel to the electric drive, the stroke can be accelerated by as much as a factor of 10 if necessary. The CM Series actuators therefore combine precise operational control with rapid closing and opening if required by the process. This guarantees maximum availability along with maximum safety.

Efficiency

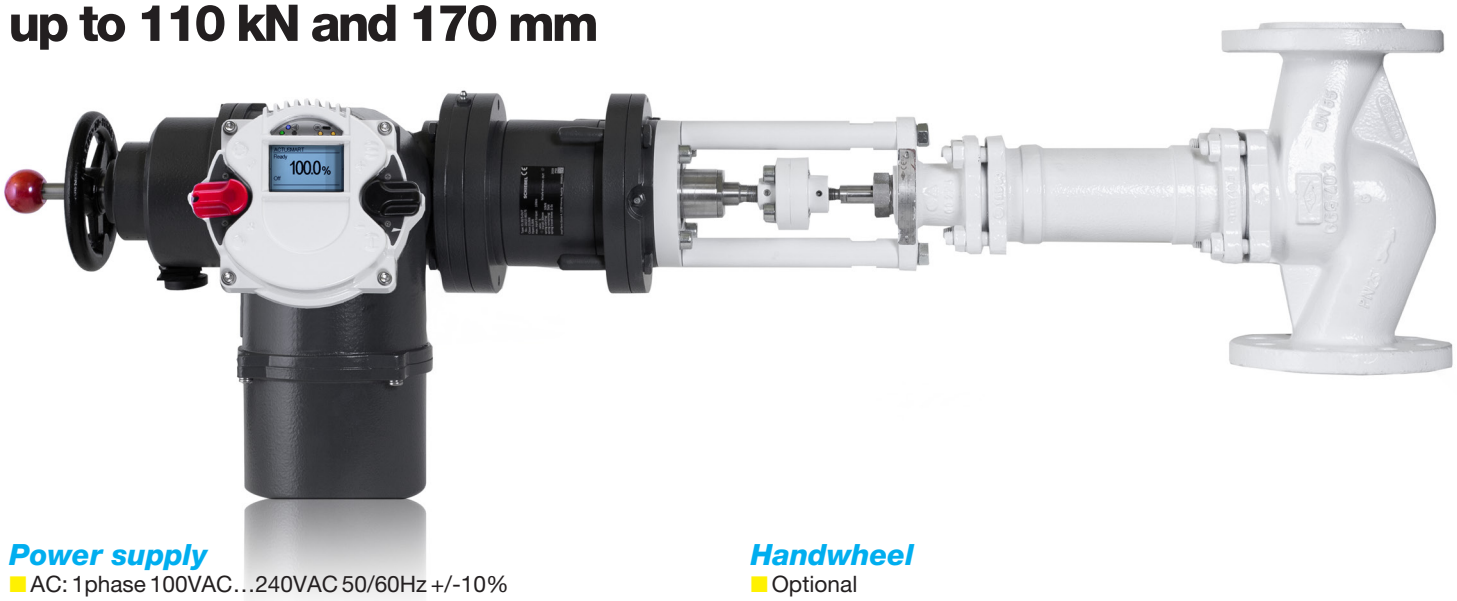
Their modular design and high degree of flexibility make the CM Series electric actuators the most efficient ones in their class. The elimination of other technologies (hydraulics/ pneumatics) and the use of electric actuators yield great cost savings in operations, warehousing and service.

SCHIEBEL

failsafe series

CM Failsafe Linear

Modulating-Duty / On-Off-Duty
up to 110 kN and 170 mm



Power supply
AC: 1phase 100VAC…240VAC 50/60Hz +/-10%
DC: 24VDC +/-10% 3-phase: 380...480VAC 50/60Hz +-10%

Motor
PM-motor Controlled via BLDC motor control board
Isolation class F

Absolut encoder
(magnetic based) for high percion control with an accuracy of 0,1%

Operation mode
CMxx: ON/OFF duty S2-15min & class A and B rCMxx: Modulating duty S4-1200 cycles/hour with 40% duty cycle & class C

Local control
Selector switch LOCAL-OFF-REMOTE - lockable
Control switch OPEN-STOP-CLOSE Large LC-display for detailed visualization of status information & parameters - different languages selectable Red display backlight for alarms 5 RGB LEDs for status indication & control information Cover lid with display in 90° steps rotatable Bluetooth & infrared interface for data exchange and actuator control with Android App or Windows PC

Remote control
5 binary inputs 24VDC: Open - Stop - Close - Emergency Open - Emergency Close, free programmable, 24VDC rated voltage with common ground potential, inputs with jumpers configurable in groups with separated commons

Status signals
8 binary outputs 24VDC: Ready - Open - Closed - Opening - Closing - Torque - Local - Remote, free programmable, 24VDC supply, max. load 0,5A/channel

Handwheel
Optional

Explosion protection
Protection class Ex II 2 G Ex de IIC T4
Certifications ATEX, IECEx, NEC

Features
Free programmable step mode control for open and close
4 intermediate positions definable Actuator torque adjustable beetween 25-100% from max. torque Alternative menu structure available Different user levels selectable Counter values for preventive Maintanance notification

Valve connection
Flange and output shaft according ISO 5210

Electric connectors
Power connection via 10pole screw plug Han10E+PE
Control and status signals via 24pole screw plug Han24E
Metric cable entries for cable glands, closed with dummy glands
Ex-design: terminal block

Ambient temperature
-25°C up to +60°C, extended temperature range on request

Enclosure protection
IP67 according EN 60 529, IP68 on request

Corrosion protection
C2 according EN ISO 12944-5 for installation in aggressive atmosphere, C3 to C5 on request

Color
RAL7024 - graphite grey, all others on request

CM Failsafe Linear

Modulating-Duty / On-Off-Duty / up to 85 kN and 170 mm

Failsafe Actuators for Shut-Off Valves

Size		(r)CM03 FS 30/5	(r)CM03 FS 50/8	(r)CM03 FS 100/12	(r)CM06 FS 100/30	(r)CM06 FS 170/25	(r)CM12 FS 120/45
Electric force for valve against FS Direction	kN	8	19	16	22	22	56
Max. force S4-operation	kN	5	10	12	15	15	30
Max. force S9-operation	kN	3	7	8	10	10	20
Spring remaining torque in failsafe mode	kN	5	8	12	30	25	45
Max.valve stroke	mm	30	50	100	100	170	120
Stroke speed electrical, adjustable	mm/sec	0,21-5,83	0,21-5,83	0,21-5,83	0,13-3,93	0,13-3,93	0,16-4,53
Stroke speed electrical, adjustable 24VDC	mm/sec	0,21-5,83	0,21-5,83	0,21-5,83	0,21-1,62	0,21-1,62	--
Stroking time in failsafe mode	sec	1-5	1-5	2-10	4-15	4-15	5-10
Valve flange	ISO 5210	F10	F10	F10&F14	F10&F14	F10&F14	F14
Weight	kg	80	99	104	159	165	312
Failsafe direction / Failsafe action		spindle extending close / spindle retracting open					
Power supply Failsafe brake – 24VDC	A	0,67A (16W)			0,875A (21W)		1,17A (28W)
Power supply 1ph (Standard)		AC: 1phase 100VAC…240VAC 50/60Hz +/-10%					
Nominal current @1x230VAC	A	1,47A (16Nm / 72rpm)		2,17A (20Nm / 60rpm)			3,8A (40Nm / 70rpm)
Power supply 3ph (Option)		AC: 3phase 380...480VAC 50/60Hz +/-10%					
Nominal current @3x400VAC	A	0,46A (16Nm / 72rpm)		0,9A (32Nm / 60rpm)			1,4A (64Nm/60rpm)
Power supply 24VDC (Option)		DC: 24VDC +/-10%					--
Nominal current	A	4,6A (10Nm / 20rpm)		9,2A (32Nm / 20rpm)			--

Failsafe Actuators for Reverse Acting Gate Valves

Size		(r)CM03 FS 80/4	(r)CM06 FS 80/4	(r)CM12 FS 120/20
Electric force for valve against FS Direction	kN	23	46	85
Max. force S4-operation	kN	8	15	30
Max. force S9-operation	kN	5	10	20
Spring remaining torque in failsafe mode	kN	4	4	20
Max.valve stroke	mm	30	100	120
Stroke speed electrical, adjustable	mm/sec	0,21-5,83	0,13-3,93	0,16-4,53
Stroke speed electrical, adjustable 24VDC	mm/sec	0,21-5,83	0,21-1,62	--
Stroking time in failsafe mode	sec	1-5	4-15	5-10
Valve flange	ISO 5211	F10	F10&F14	F14
Weight	kg	49	56	258
Failsafe direction / Failsafe action		spindle retracting close / spindle extending open		
Power supply Failsafe brake – 24VDC	A	0,67A (16W)	0,875A (21W)	1,17A (28W)
Power supply 1ph (Standard)		AC: 1phase 100VAC…240VAC 50/60Hz +/-10%		
Nominal current @1x230VAC	A	1,47A (16Nm / 72rpm)	2,17A (20Nm / 60rpm)	70rpm)
Power supply 3ph (Option)		AC 3~380-480V 50/60Hz +/-10%		
Nominal current @3x400VAC	A	0,46A (16Nm / 72rpm)	0,9A (32Nm / 60rpm)	1,4A (64Nm/60rpm)
Power supply 24VDC (Option)		DC: 24VDC +/-10%		--
Nominal current	A	4,6A (10Nm / 20rpm)	9,2A (32Nm / 20rpm)	--

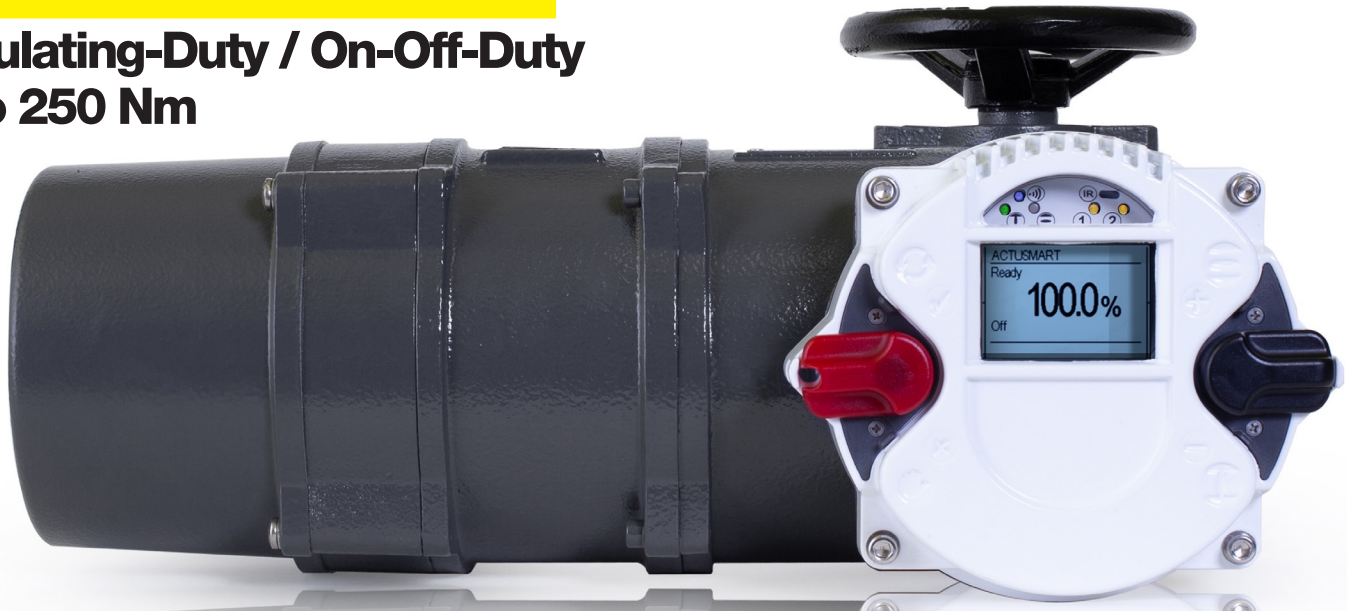
All informations are subject to change without notice. Values provided for guidance only.
Due to production tolerance variation, the electrical values are averages compiled from actuator production test data.

SCHIEBEL

cm series

CM Multiturn Actuator

Modulating-Duty / On-Off-Duty up to 250 Nm



Power supply
AC: 1phase 100VAC…240VAC 50/60Hz +/-10%
DC: 24VDC +/-10% 3-phase: 380...480VAC 50/60Hz +-10%

Motor
PM-motor Controlled via BLDC motor control board
Isolation class F

Absolut encoder
(magnetic based) for high percion control with an accuracy of 0,1%

Operation mode
CMxx: ON/OFF duty S2-15min & class A and B rCMxx: Modulating duty S4-1200 cycles/hour with 40% duty cycle & class C

Local control
Selector switch LOCAL-OFF-REMOTE - lockable
Control switch OPEN-STOP-CLOSE Large LC-display for detailed visualization of status information & parameters - different languagues selectable Red display backlight for alarms 5 RGB LEDs for status indication & control information Cover lid with display in 90° steps rotatable Bluetooth & infrared interface for data exchange and actuator control with Android App or Windows PC

Remote control
5 binary inputs 24VDC: Open - Stop - Close - Emergency Open - Emergency Close, free programmable, 24VDC rated voltage with common ground potential, inputs with jumpers configurable in groups with separated commons

Status signals
8 binary outputs 24VDC: Ready - Open - Closed - Opening - Closing - Torque - Local - Remote, free programmable, 24VDC supply, max. load 0,5A/channel

Explosion protection
Protection class Ex II 2 G Ex de IIC T4
Certifications ATEX, IECEx, NEC

Features
Free programmable step mode control for open and close
4 intermediate positions definable Actuator torque adjustable beetween 25-100% from max. torque Alternative menu structure available Different user levels selectable Counter values for preventive Maintanance notification

Valve connection
Flange and output shaft according ISO 5210

Electric connectors
Power connection via 6pole screw plug Han6E+PE
Control and status signals via 24pole screw plug Han24E
Metric cable entries for cable glands, closed with dummy glands
Ex-design: terminal block

Ambient temperature
-25°C up to +60°C, extended temperature range on request

Enclosure protection
IP67 according EN 60 529, IP68 on request

Corrosion protection
C2 according EN ISO 12944-5 for installation in aggressive atmosphere, C3 to C5 on request

Color
RAL7024 - graphite grey, all others on request

CM Multiturn Actuator

Modulating-Duty / On-Off-Duty up to 250 Nm

Size		(r)CM03	(r)CM06	(r)CM12	(r)CM25
Torque range 1phase or 3phase, free adjustable	Nm	8-32	19-64	32-125	64-250
Torque range 24VDC, up to 5rpm with 20rpm	Nm	8-32	16-55	--	--
Max. torque S4-operation	Nm	16	32	64	125
Max. torque S9-operation	Nm	10	20	30	60
Speed range 1ph or 3ph, free adjustable	rpm	1-72	1-64	1-60	1-32
Speed range 24VDC, free adjustable	rpm	1,0-20	1,0-20	--	--
Travel sensor range	Turns	0,25-105	0,25-105 | 1-300	0,25-105 | 1-300	0,25-105 | 0,25-1600
Valve flange	ISO 5210	F07 / F10	F10	F10	F14
Output drive	ISO 5210 / DIN 3210 / DIN 3338	A / Am / B / B1 / BSo / C / CSo / D / E-DO / DO / E / B3 / ESo / X			
Weight	kg	11,5	17,5	22	29
Motor	M	Brushless DC motor controlled by integrated control unit			
Power factor	cos ϕ	> 0,95			
Power supply 1ph (Standard)		1phase 100VAC…240VAC 50/60Hz +/-10%			
Nominal current @1x230VAC	A	1,47A (16Nm / 72rpm)	2,17A (20Nm / 60rpm)	3,8A (40Nm / 70rpm)	3,8A (80Nm/32rpm)
Power supply 3ph (Option)		AC: 3phase 380...480VAC 50/60Hz +/-10%			
Nominal current @3x400VAC	A	0,46A (16Nm / 72rpm)	0,9A (32Nm / 60rpm)	1,4A (64Nm/60rpm)	1,4A (64Nm/60rpm)
Power supply 24VDC (Option)		DC: 24VDC +/-10%		--	--
Nominal current	A	4,6A (10Nm / 20rpm)	9,2A (32Nm / 20rpm)	--	--

Sofware Options	Code
0/4-20 mA position transmission, galvanic separated (no signal isolator required), signal configurable as current sink	ER
Positioner for actuator control with 0/4-20 mA signal from PLC, passiv, potential isolation from thre remaining electronic	SR
PID positioner for two 0/4-20 mA input signals (target value, external actual value, configurable as activ or current sink signal)	PID
Actuator KKS / TAG on display (max. 15 digits)	ID
Customer parametrization (customer specific parametrization of binary input- and output signals in accordance with customer specific wiring diagram	KP
Torque curve - torque in relation to the stroke	AP
Logic operations of input and output signals	VIRT
KVS valve characteristics - Flow in relation to the position of the actuator	VK
Speed characteristics - speed in relation to the stroke	SC
Advanced service and maintenance capabilities	ADSM
Automatic partial and full stroke test	ST
Multiport valve support - Intermediate positioning	MPIP

All informations are subject to change without notice. Values provided for guidance only.
Due to production tolerance variation, the electrical values are averages compiled from actuator production test data.

SCHIEBEL

cm/ab series

Parttum Gearboxes

Modulating-Duty / On-Off-Duty
up to 300.000 Nm

Planetary Gearboxes

Mode of operation
- S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C

Ambient temperatur
- -40°C up to +85°C

Protection enclosure
- IP67 according EN 60 529 and IEC529

Corrosion protection
- K2 (C2) for installation in aggressive atmosphere, C3 up to C5 on request

Colour
- RAL7024 with CM-series & RAL7030 with AB-series actuator

End stop
- QT12.V2 | QT25 | QT50: Mechanical endstops at 95° in Open & Close position
- QTM12.V2 | QTM25 | QTM50: Planetary gearbox without mechanical end stops
- QTP12.V2 | QTP25 | QTP50: Mechanical endstops at 185° in Open & Close position

Valve connection
- Flange according to ISO5211
- Plug-in coupling with bore and keyway or square

Worm Gearboxes

Mode of operation
- S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C

Rotation
- Clockwise insert rotation by clockwise rotation of input shaft

Self-locking
- Self-locking gearbox with single worm

Ambient temperature
- -40°C up to +150°C, various versions available

Protection enclosure
- IP67 according EN 60 529 and IEC529

Corrosion protection
- C2 according EN ISO 12944-5 for installation in aggressive atmosphere, C3 to C5 on request

Colour
- RAL7024 with CM-series & RAL7030 with AB-series actuator

Position indicator
- Mechanical position indicator on gearbox

End stop
- Stop screws for easy adjustment of the swivel angle for 0° and 90° +/- 5°.

Valve connection
- Flange according to ISO5211
- Plug-in coupling with bore and keyway or square

Parttum Gearboxes

Modulating-Duty / On-Off-Duty up to 300.000 Nm

Planetary Gearboxes QT-series

Type	max. allowed output torque	max. torque S4-duty	Gearbox ratio	Mechanical advantage	Input flange for actuator	Valve output flange	max. shaft-Ø valve	max. valve square	Max. height valve shaft	Weight approx.	Suitable actuator size
	Nm	Nm	--	--	ISO 5211	ISO 5211	mm	mm	mm	kg	
QT12.V2 QTM12.V2 / QTP12.V2	120	60	4,88	4,16	F10	F05 F07 / F10	20	17	30	3,2	CM03 / AB3
QT25 QTM25 / QTP25	250	125	9	7,92	F10	F07 F10	25	22	41	4,8	CM03 / CM06 AB3 / AB5
QT50 QTM50 / QTP50	500	250	9	7,92	F10	F10 F12	40	32	46	8,9	CM06 / AB5

Worm Gearboxes SBWG-Series

Type	max. allowed gearbox output torque	max. torque S4-duty	Gearbox ratio	Mechanical advantage	Valve output flange	max. shaft-Ø valve	max. valve square	Max. height valve shaft	Weight	Suitable actuator size
	Nm	Nm	--	--	ISO 5211	mm	mm	mm	kg	--
SBWG-BF M	360	180/174	32	11,6	F07	20	17	76	4	CM03 | CM06 AB3 | AB5
SBWG-0 M	780	390	36	13,4	F07/F10	28	22	77	6	CM03 | CM06 AB3 | AB5
SBWG-00 M	1200	600	40	14,1	F10/F12	36	28	86	10	CM06 | CM12 AB5 | AB8
SBWG-01 M	1812	906	44	15,1	F10/F12/F14	46	35	96	13	CM12 AB8
SBWG-02 M	2800	1400	48	15,9	F12/F14/F16	60	46	109	21	CM12 AB8 | AB18
SBWG-02-1S M	2800	1400	121,6	37,1	F12 & F16 F14	60	46	109	25	CM06 | CM12 AB5 | AB8
SBWG-03 M	4300	2150	52	16,9	F14/F16	75	58	116	29	AB18 | AB40
SBWG-03-1S M	4300	2150	131,7	39,5	F14 F16	75	58	116	33	CM12 AB8
SBWG-04 M	10400	5200	56	18,3	F16/F25	95	73	147	56	AB18 | AB40 | AB80
SBWG-04-1S M	6048	3024	168	50,4	F16 & F25	95	73	147	66	CM12 AB8
	10400	5200	168	50,4	F16/F25	95	73	147	66	AB18
SBWG-05 M	15900	7950	60	19,6	F25/F30	115	89	155	78	AB80 | AB100
SBWG-05-1S M	15900	7950	180	54,0	F25 & F30	115	89	155	88	AB18 | AB40
SBWG-05-1SD M	15900	7950	540	149,0	F25 & F30	115	89	155	93	CM06 | CM12 AB5 | AB8
SBWG-06-1S M	32800	16400	256	74,2	F25 & F30	140	108	200	175	AB18 | AB40
SBWG-06-1S M	32800	16400	256	74,2	F35	140	108	200	175	AB18 | AB40 | AB80
SBWG-06-1SD M	32748	16374	1024	272,9	F25 & F30	140	108	200	188	CM06 | CM12 AB5 | AB8
SBWG-06-1SD M	32748	16374	1024	272,9	F35	140	108	200	188	CM06 | CM12 AB5 | AB8
SBWG-07-1S M	51100	25550	272	80,9	F30/F35/F40	180	139	227	271	AB40 | AB80
SBWG-07-1SD M	51100	25550	1088	297,9	F30/F35/F40	180	139	227	284	CM12 AB8 | AB18
SBWG-75-1S M	81500	40750	330	106,1	F35/F40/F48	210	160	246	422	AB40 | AB80
SBWG-75-1SD M	81500	40750	1650	488,2	F35/F40/F48	210	160	246	450	CM12 AB8 | AB18

All informations are subject to change without notice. Values provided for guidance only.
Due to production tolerance variation, the electrical values are averages compiled from actuator production test data.

SCHIEBEL

cm/ab series

Linear Units

up to 350 kN and 500 mm

Mode of operation
- S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C
- LK-units: up to S9 and Class D

Self-locking
- L-units: self-locking
- LK-units: non self-locking

Ambient temperature
- -40°C up to +80°C

Protection enclosure
- L-units: IP66 according EN 60 529 and IEC529
- LK-units: IP67 according EN 60 529 and IEC529

Corrosion protection
- C2 according EN ISO 12944-5 for installation in aggressive atmosphere, C3 to C5 on request

Colour
- RAL7024 with CM-series & RAL7030 with AB-series actuator

Valve connection
- Flange according to ISO 5210

Technology
- L-units: threaded spindle and spindle nut
- LK-units: ballscrew spindle

Application
- L-units: standard process control
- LK-units: high-precision process control, control of small strokes with high cycles of operation

Linear Drives

Linear Drives up to 350 kN and 500 mm

L-units – threaded spindle and spindle nut

Type	Thrust force max.	Thrust force min.	Modulating force max.	Stroke max.	Mechanical advantage	Valve flange	Spindle end work for mounting on valve stem	max. thrust forces in combination with rotary actuator [kN]									Weight approx.
--	kN	kN	kN	mm	--	ISO 5210		AB3	CM03	AB5	CM06	AB8 CM12	AB18	AB40	AB100	AB200	kg
L50	15	3,5	7,5	50	2	F10	M16x1,5	15	15	15	--	--	--	--	--	--	7
L75	25	3,5	7,5/ 12,5	75	2	F10	M16x1,5	15	15	15	25	25	--	--	--	--	8
L100				100	2			15	15	15	25	25	--	--	--	--	9
L350 (1)			13	350	2,43		M24x2,0	12	--	15	26	25	--	--	--	--	15
L500 (1)				500	3,62			8	--	15	17,5	25	--	--	--	--	19
L200.5 (1)	30	10	20	200	2,44	F10	M16x1,5	12	13	15	15	--	--	--	--	--	15
L200.8 (1)								--	--	--	--	30	--	--	--	--	15
L100.8	45	18	22	100	2,73	F10	M16x1,5	--		--	--	45	--	--	--	--	14
L120.18	75	38	39,5	120	3,16	F14 F10	M36x3,0 M20x1,5	--		--	--	--	75	--	--	--	28
L220.18 (1)				220	3,16	F14	M36x3,0	--		--	--	--	75	--	--	--	30
L150.40	100	45	55,5	150	4,45	F14	M36x3,0	--		--	--	--	--	100	--	--	39
L300.40 (1)				300	4,45			--		--	--	--	--	100	--	--	43
L100.100	220	108	108	100	4,61	F16	M42x3,0	--		--	--	--	--	--	217	--	110
L200.100				200	4,61			--		--	--	--	--	--	217	--	120
L200.200	350	177	177	200	5,64	F25	M48x3,0	--		--	--	--	--	--	--	350	150

LK-units – ballscrew spindle

LK50	15	8	7,5 (3)	50	1,06	F10	M20x1,5	--	15	--	--	--	--	--	--	--	12,3
LK100	30	8	15 (3)	100	1,06	F10	M20x1,5	--	30	--	--	--	--	--	--	--	15,0
LK120	60	16	30 (3)	120	1,06	F10	M20x1,5	--	--	--	60	--	--	--	--	--	19,2
						F14	M36x3,0										

All informations are subject to change without notice. Values provided for guidance only.
Due to production tolerance variation, the electrical values are averages compiled from actuator production test data.

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70
Казахстан +7(727)345-47-04
Беларусь +(375)257-127-884
Узбекистан +998(71)205-18-59
Киргизия +996(312)96-26-47

эл.почта: sfz@nt-rt.ru || сайт: https://schiebel.nt-rt.ru/