SDO 05 - Sets





Article

Item no. 185318	Description SDO 05-8-45 Set for sliding gates up to 1,100 kg: 400 V-AC motor, 80 Nm, 18 cm/s, spur gear M6-13Z, CS 320 control and sheet steel housing	Price 1698.00 €
185319	SDO 05-8-45 with rope transmission system Set for sliding gates up to 1,100 kg: 400 V-AC motor, 80 Nm, 18 cm/s, spur gear M6-13Z, CS 320 control, inductive signal transmission system and sheet steel housing	2690.00€
185320	SDO 05-10-30 FU-I Set for sliding gates up to 1,300 kg: 230 V-AC motor with frequency converter, 100 Nm, 12 cm/s, spur gear M6-13Z, CS 320 control and sheet steel housing	1994.00€
185321	SDO 05-10-30 FU-I with rope transmission system Set for sliding gates up to 1,300 kg: 230 V-AC motor with frequency converter, 100 Nm, 12 cm/s, spur gear M6-13Z, CS 320 control, inductive signal transmission system and sheet steel housing	2987.00 €

Scope of delivery

185318

- Gear motor SDO 05-8-45 E 400 V/3PH (AWG)
- Spur gear module 6 with 13 teeth
- Control CS 320
 400 V/3PH in CS
 combination housing
 with LCD in cover,
 connection cable with
 CEE plug
- Main switch 400 V/16 A (4-pole)
- All components already mounted in sheet steel housing with bottom console
- · Installation material

185319

- Gear motor SD0 05-8-45 E 400 V/3PH (AWG)
- Spur gear module 6 with 13 teeth
- Control CS 320
 400 V/3PH in CS
 combination housing
 with LCD in cover,
 connection cable
 with CEE plug
- Main switch 400 V/16 A (4-pole)
- Inductive signal transmission system
- All components already mounted in sheet steel housing with bottom console
- · Installation material

185320

- Gear motor SD0 05-10-30 E 230 V/1PH FU-I (AWG)
- Spur gear module 6 with 13 teeth
- Control CS 320 FU-I 230 V/1PH in CS combination housing with LCD in cover, connection cable with Schuko plug type F
- Main switch 400 V/16 A (4-pole)
- All components already mounted in sheet steel housing with bottom console
- Installation material

185321

- Gear motor SD0 05-10-30 E 230 V/1PH FU-I (AWG)
- Spur gear module 6 with 13 teeth
- Control CS 320 FU-I 230 V/1PH in CS combination housing with LCD in cover, connection cable with Schuko plug type F
- Main switch 400 V/16 A (4-pole)
- Inductive signal transmission system
- All components already mounted in sheet steel housing with bottom console
- Installation material

Features

Opener

- Very robust sliding gate operator for commercial use
- Spring assisted motor mount for shock absorption
- Steel spur gear module 6 (module 4 can also be used)
- Optional stainless steel housing with heightadjustable operator bracket for adjusting the spur gear position
- For temperature ranges below -20 °C there is suitable oil and electric heating on request

Structure and connection

- Switchable transformer from 230 V/1~/3~ to 400 V/3~
- · Short-circuit proof extra-low voltage
- · Housing protection for printed circuit board
- Connection for elements of the safety circuit
- Connection for closing edge protection (opto, 8.2 kOhm, pressure wave bar or leading light barrier) in CLOSE direction
- Connection for closing edge protection (8.2 kOhm and opto) in OPEN direction
- Connection for 2 light barriers (2-wire, relay, NPN, PNP) with/without testing
- · Connection for radar presence detector
- Interface for connecting a frequency converter
- Interface for connecting expansion modules
- · Slots for radio module and weekly timer
- Slot for 2-channel radio transmission system for wireless signal transmission of closing edge system and/or safety circuit
- Control of the magnetic brake via relay output
- For operators with externally switched brake, a brake monitoring module is additionally installed (BWM1)
- Supply for external devices (24 V-DC/500 mA and 230 V-AC/1 A)

Operation

- Circuit board push buttons and LEDs for status indication (standard)
- Pluggable LC display with plain text display
- 3-button navigation/status and diagnostic messages

End position setting

- Via mechanical limit switches (MEC) and/or via absolute encoders (AWG)
- Setting via circuit board push button or plug-in LCD monitor

Functions

- 4 programmable relay outputs with 44 functions
- 2 programmable inputs with 27 functions
- Changing the direction of rotation via circuit board push button/display
- Intermediate position programmable (only with AWG)
- Adjustable power limitation in OPEN direction (only with AWG)
- Rotation direction monitoring and detection (only with AWG)
- Integrated gate run counter
- Programmable maintenance alarm (PIN code protected)
- Integrated error memory (readout of all error messages indicating frequency and cycle of last occurrence) only with LCD monitor

Optional

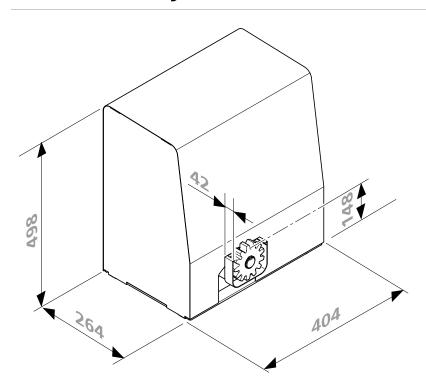
- LCD monitor with plain text display
- Customized cover lamination
- A second CS 320 can be coupled via MS-BUS in DUO function

Technical data

	SD0 05-8-45	SD0 05-10-30 FU-I
Opening width (max.)[m]	18	18
Weight of gate leaf (max.)[kg]	1,100	1,300
Output torque [Nm]	80	100
Output speed [1/min]	45	30
Cycles per hour (max.)*	10	10
Motor power [kW]	0.55	0.55
Protection class	IP54	IP54

^{*} One cycle corresponds to two travels (opening and closing) of the gate. The values given refer to 10 revolutions of the output shaft per travel and assume an even distribution.

Technical drawings



Operator specific accessories



Special 475

1.13 m rack, module 6, made of steel, to fasten in place

99096 78.00 €



Special 441

2 m plastic rack module 4 in aluminum profile with cable duct

Length [mm]	Item no.	Price
2,000	121276	120.00€
4,000	121277	176.00 €

Technical data

Sliding Gate Operators TU, SU

	Comfort TU500	Comfort TU800	Comfort SU500F	Comfort SU700M	Comfort SU1100M		
Weight of gate leaf (max.)[kg]	kg] 500 800		500	500 700			
Operating mode (duty cycle)	S2 - 3 min		S2 - 8 min	S2 - 8 min			
Output torque [Nm]	16 29		23	26	38		
Running speed (max.)[cm/s]	16		40	25	20		
Modul	4						
Motor power [kW]	0.3	0.45	0.35		0.3		
Motor voltage [V]	230 V/1~		24 V-DC	24 V-DC			
End position system	Electronic limit switch		Magnetic lim	Magnetic limit switch lugs			
Protection class	IP44						
Continuous sound pressure level (max.)[dB(A)]	70						
Temperature (min./max.)[°C]	-20/55						
Dimensions(WxHxD)[mm]	320x260x184		330x330x29	330x330x290			

861, 861 S Sliding Gate Operators

	Comfort 861 S	Comfort 861				
Width gate wing (max.)[m]	8					
Weight of gate leaf (max.)[kg]	600					
Operating mode (duty cycle)	S2 - 5 min					
Push and pull force (max.)[N]	800					
Running speed (max.)[cm/s]	18					
Modul	4					
Motor voltage [V]	24 V-DC					
End position system	Ind position system Reference point technique					
Protection class	on class IP44					
Continuous sound pressure level (max.)[dB(A)]	70					
Temperature (min./max.)[°C]	-20/60					
Dimensions (WxHxD)[mm]	330x385x178	186x1,278x198	186x1,528x198	186xx198		

Technical data

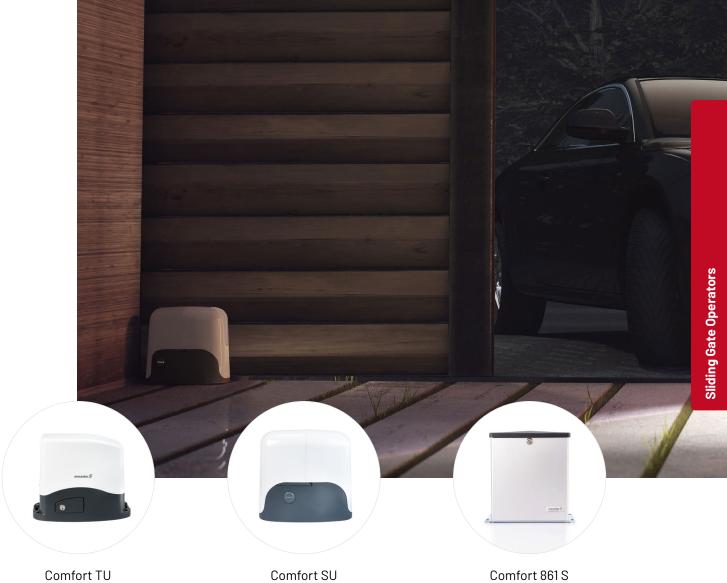
SDO Sliding Gate Operators

	SDO 05- 8-45	SDO 05- 10-24	SDO 05- 10-30	SDO 35-13-45 HD	SDO 35- 20-24 HD	SD0 35-21-45 HD	SDO 35- 33-24 HD
Output torque [Nm]	80	100		130	200	210	330
Output speed [1/min]	45	24	30	45	24	'	
Cycles per hour (max.)*	10			8	5	8	5
Motor power [kW]	0.55			0.95		1.5	
Operating voltage [V]	230 V/1~; 230 V/3~; 400 V/3~			230 V/3~; 400 V/3~	230 V/1~; 230 V/3~; 400 V/3~		
Nominal frequency [Hz]	50					·	
Rated current [A]							
Rated current in star connection [A]	1.90 2.00		3.30		4.20	3.30	
On-site fuse protection (mains operation 400 V/3~)[A]	16						
Rated current in delta connection [A]	3.20	3.50	4.10	5.70		7.30	5.70
On-site fuse protection (mains operation 230 V/3~)[A]	16						
Operation with CS 320 FU (frequency converter 230 V/1~)	0,75 kW		1,5 kW		_	1,5 kW	
On-site fuse protection (frequency converter operation 230V/1~) [A]	16						
Operation with CS 320 FU (frequency converter 400 V/3~)	0,75 kW			1,5 kW			
On-site fuse protection (FI operation 400V/3~)[A]	16						
Power factor cos phi	0.69	0.72		0.71			
Protection class	IP54						
Brake type	Gr. 1/1 Nm			Gr. 2/10 Nm	Gr. 2/4 Nm	Gr. 2/10 Nm	Gr. 2/4 Nm
Temperature (min./max.)[°C]	-20/60						
Continuous sound pressure level (max.)[dB(A)]	70						
Weight [kg]	15			36			

^{*} One cycle corresponds to two travels (opening and closing) of the gate. The values given refer to 10 revolutions of the output shaft per travel and assume an even distribution.

Sliding Gate Operators







Comfort 861



SDO Sliding Gate Operators



SD0 05 - Sets



SD0 35 - Sets