

# Universal drives SP

## GR 1 and GR 2

### The universal drive with mechanical shut-off system

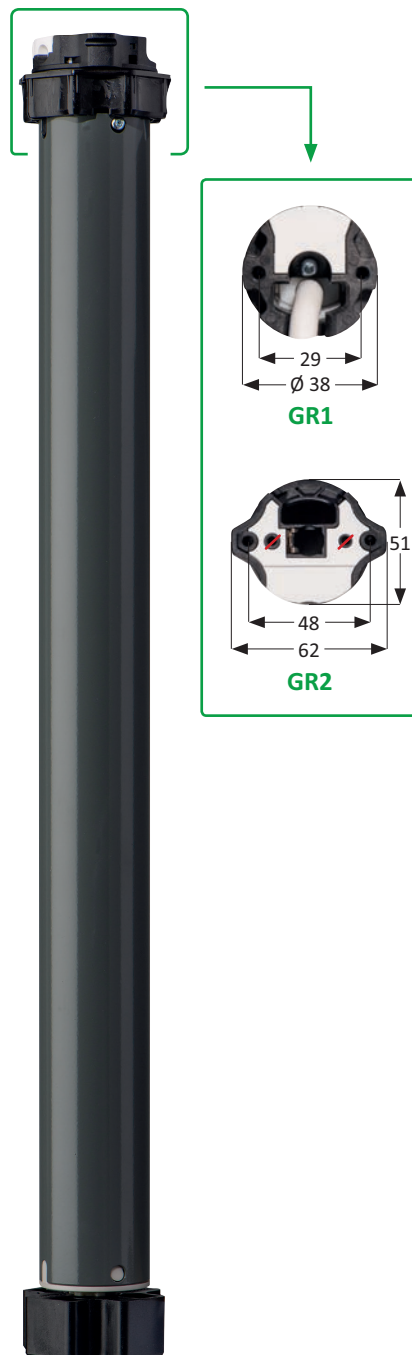
Regardless of whether you have roller shutters, all kinds of awnings, (Zip) screens or even interior blinds – the SP drive is universally usable. The end limit positions will be set manually at the motor head. The “classic” amongst the drives is offering the optimal price-performance ratio. SP drives are also available with rotation speed 28 rpm (see page 43).

The parallel connection of several SP drives is not permitted! In case of a simultaneous control of 2 or more SP drives by one switch / time switch a cut off relay has to be used.

Drives are available in series 1 (from shaft 40, shaft with Ø 40mm), series 2 (from shaft 50, shaft with Ø 50mm) and series 3 (from shaft 70, shaft with Ø 70 mm). SP drives of series 1 (from shaft 40) and series 3 (from shaft 70) are delivered with adapters as standard. For drives of series 2 the adapters and the plug-in connecting cables need to be ordered separately.

#### Advantages

- Mechanical setting of the end limit positions “point to point”
- No upper end limit necessary
- Suitable for many types of applications



#### Technical information of SP drives\*

Type	SP 1/4	SP 1/6
Ref.	35 00 23	35 00 33
Torque at rated load Nm	4	6
Effective shutter weight (kg) at shutter height of 1.5 m	10	14
Effective shutter weight (kg) at shutter height of 2.5 m	8	11
Shaft type	SW 40	SW 40
Pulling force N	180	270
Rotation speed rpm	30	15
Power rating W	115	115
Current consumption A	0,5	0,5
Voltage V	230	230
Frequency Hz	50	50
Time of operation min	4	4
Protective system	IP 44	IP 44
Test mark	CE	CE
Limit switch range U	22	22
Outer diameter mm	35	35
Cable length m	3	3
Length L 1 mm		
Length L2 mm		
Length of square fixing pivot mm	12	12

\* These information refer to the use in one-piece constructions.



Please order adapters and connecting cables separately:

Designation		Article no. crown	Article no. coupling
<b>Adapters for series 2</b>	Octagonal steel shaft 50	28 80 26	28 82 19
	Octagonal steel shaft 60, up to 50 Nm	28 80 20	28 82 25
	Octagonal steel shaft 70	28 80 24	28 83 05
<b>Plug-in cable</b>	4-wire, PVC, white, 2,5 m	29 05 45	
	4-wire, PVC, white, 5 m	29 05 48	

The entire range of adapters can be found from page 56 onwards. Plug-in connecting cables are only available for series 2! Further plug-in connecting cables can be found on page 82.

SP 1/7	SP 1/10	SP 1/13	SP 2/7	SP 2/7-S	SP 2/10	SP 2/10-S	SP 2/15	SP 2/20	SP 2/30	SP 2/40	SP 2/50
35 04 53	35 00 43	35 00 53	35 24 50	35 44 50	35 24 60	35 44 60	35 24 70	35 24 80	35 24 90	35 24 00	35 20 50
7	10	13	7	7	10	10	15	20	30	40	50
18	25	32	19	19	25	25	35	45	67	88	102
15	20	26	15	15	20	20	29	37	56	72	83
SW 40	SW 40	SW 40	SW 60	SW 60	SW 60	SW 60	SW 60	SW 60	SW 60	SW 60	SW 60
320	450	590	220	220	310	310	460	520	920	1230	1530
20	15	8	17	17	17	17	17	17	17	17	12
115	115	115	95	95	105	105	152	172	220	345	345
0,5	0,5	0,5	0.41	0.41	0.45	0.45	0.66	0.75	0.95	1.5	1.5
230	230	230	230	230	230	230	230	230	230	230	230
50	50	50	50	50	50	50	50	50	50	50	50
4	4	4	4	4	4	4	4	4	4	4	4
IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
CE	CE	CE	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE, VDE	CE
22	22	22	22	22	22	22	22	22	22	22	22
35	35	35	45	45	45	45	45	45	45	45	45
3	3	3	0	0	0	0	0	0	3	0	0
508	508	523	523	395	523	395	523	537	557	559	559
497	497	512	506	379	506	379	506	521	541	542	542
12	12	12	12	12	12	12	12	12	12	12	12

Continuation