CONTROL SYSTEMS
FOR ROLLER DOORS

Advantages:

- control units for roller doors
- suitable for private and industrial use
- integrated radio receiver module FM 868.8 MHz with 112 memory slots for radio codes (transmitters)
- radio receiver for individual coding of the transmitter with the following performance: UP / STOP / DOWN / partial opening function
- integrated 3-button on the control unit (selective: UP / STOP / DOWN)
- easy programmable control unit
- adjustable automatic closing and early warning time
- dead man function
- partial opening per DIP switch activatable
- multi connection options:
  - safety edge (8.2 kOhm or optical)
  - pre-limit switch
  - emergency-off-chain: palm button, anti-drop device
  - pull-button (UP / STOP / DOWN)
  - key switch
  - light barrier (photo cell) as protection in door-down
- diverse setting options per DIP switch or TorMinal



RDC Vision – roller door control unit in design housing

- suitable for roller doors up to max. 1000 W, AC 230 V
- integrated radio receiver module FM 868.8 MHz with 112 memory slots for radio codes (transmitters)
- pre-formed plug for a quick, easy connection to power
- the application of pre-formed plugs is possible by pluggable screw terminals and cable ductings
- multi connection options as:
  - external lighting up to 40 W
  - floating relay contact, max. 60 V at 1 A (e.g. for door status indicator)
- IP code IP20



RDC 800 – roller door control unit with membrane keypad

- suitable for roller doors up to max. 1000 W, AC 230 V
- integrated radio receiver module FM 868.8 MHz with 112 memory slots for radio codes (transmitters)
- IP code IP54

TECHNICAL DATA

Operator	S 60/12/59 NHK	S 80/12/59 NHK	S 100/12/59 NHK	S 120/12/59 NHK	S 140/9/59 NHK	S 230/12/92 NHK	S 330/8/92 NHK
Item number	3965V001	3964V001	3959V001	3963V001	3961V001	3960V001	3962V001
Torque	60 Nm	80 Nm	100 Nm	120 Nm	140 Nm	230 Nm	330 Nm
Speed	12 min^{-1}	12 min^{-1}	12 min^{-1}	12 min^{-1}	9 min^{-1}	12 min^{-1}	8 min^{-1}
Diameter	59 mm	59 mm	59 mm	59 mm	59 mm	92 mm	92 mm
Operating voltage	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Output	288 W	350 W	441 W	450 W	465 W	830 W	910 W
Rated current consumption	1.25 A	1.50 A	1.92 A	2.00 A	2.12 A	3.60 A	4.00 A
Approved operating mode KB	4 min	4 min	4 min	4 min	4 min	4 min	4 min
IP code	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Weight	5.5 kg	5.8 kg	6.2 kg	6.5 kg	6.8 kg	11.5 kg	14.0 kg

TRACTION FORCE TABLE

Awning height up to 3 m

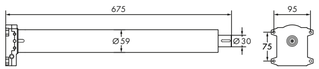
Operator	Shaft diameter up to:		
	78 mm	100 mm	133 mm
S 60/12/59 NHK	80 kg	70 kg	–
S 80/12/59 NHK	110 kg	102 kg	–
S 100/12/59 NHK	140 kg	130 kg	–
S 120/12/59 NHK	173 kg	158 kg	132 kg
S 140/9/59 NHK	200 kg	188 kg	158 kg
S 230/12/92 NHK	–	330 kg	230 kg
S 330/8/92 NHK	–	400 kg	320 kg

Awning height up to 5 m

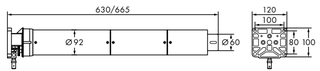
Operator	Shaft diameter up to:		
	78 mm	100 mm	133 mm
S 60/12/59 NHK	70 kg	62 kg	–
S 80/12/59 NHK	95 kg	85 kg	–
S 100/12/59 NHK	120 kg	109 kg	–
S 120/12/59 NHK	142 kg	133 kg	119 kg
S 140/9/59 NHK	170 kg	159 kg	141 kg
S 230/12/92 NHK	–	270 kg	245 kg
S 330/8/92 NHK	–	360 kg	275 kg

TECHNICAL DRAWINGS

Tubular motors S X/X/59 NHK



Tubular motors S X/X/92 NHK





DE-EN #S1016200002-0//16 Literal errors, errors and technical changes excepted.

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Tubular motors for roller doors

Universally applicable for roller doors, roller grill doors and shading systems

THE SUITABLE OPERATOR
FOR EVERY DOOR

Advantages:

- universally applicable operator, suitable for roller doors, roller grill doors and shading systems
- force transmission through robust, and maintenance free planetary gear
- integrated thermo switch to protect the motor winding
- reliable emergency actuation designed to fulfil strict requirements
- easy operation of the emergency actuation: no engaging and disengaging necessary, the gate can only be opened and closed by turning the hand crank
- if requested, customised adapter available for various winding tubes
- installation-friendly operator which can be assembled easily and in a short amount of time without a mess
- mechanical limit switch
- powerful and convenient operator
- insensitive to voltage fluctuations



S 60/12/59 NHK

- torque: 60 Nm
- speed: 12 min^{-1}
- diameter: 59 mm

#3965V001



S 80/12/59 NHK

- torque: 80 Nm
- speed: 12 min^{-1}
- diameter: 59 mm

#3964V001



S 100/12/59 NHK

- torque: 100 Nm
- speed: 12 min^{-1}
- diameter: 59 mm

#3959V001



S 120/12/59 NHK

- torque: 120 Nm
- speed: 12 min^{-1}
- diameter: 59 mm

#3963V001



S 140/9/59 NHK

- torque: 140 Nm
- speed: 9 min^{-1}
- diameter: 59 mm

#3961V001



S 230/12/92 NHK

- torque: 230 Nm
- speed: 12 min^{-1}
- diameter: 92 mm

#3960V001



S 330/8/92 NHK

- torque: 330 Nm
- speed: 8 min^{-1}
- diameter: 92 mm

#3962V001

ACCESSORIES FOR TUBULAR MOTORS S X/X/59 NHK



Keyhole wall anchor

- suitable for S X/X/59NHK

#5928V000



Wall anchor, offset

- suitable for S X/X/59NHK
- 16×16 mm from 60 Nm to 100 Nm

#5929V000



Adapter set Ø 97 mm

- for notch tube
- suitable for S X/X/59 NHK

#5914V000



Adapter set Ø 82 mm

- for notch tube
- suitable for S X/X/59 NHK

#5915V000



Adapter set Ø 67 mm

- for octagonal tube
- suitable for S X/X/59 NHK

#5917V000



Adapter set Ø 75 mm

- for notch tube
- suitable for S X/X/59 NHK

#5919V000



Adapter set Ø 77 mm

- for octagonal tube
- suitable for S X/X/59 NHK

#5920V000



Adapter set Ø 94 mm

- for notch tube
- suitable for S X/X/59 NHK

#5921V000



Adapter set Ø 106 mm

- for notch tube
- suitable for S X/X/59 NHK

#5923V000



Adapter set Ø 67 mm

- for notch tube
- suitable for S X/X/59 NHK

#5924V000



Adapter set Ø 133mm

- for notch tube
- suitable for S X/X/59 NHK

#5948V000

ACCESSORIES FOR TUBULAR MOTORS S X/X/92 NHK



Wall anchor plate

- suitable for S X/X/92NHK
- galvanised with 4 studs

#5927V000



Adapter set Ø 97 mm

- for round tube
- suitable for S X/X/92 NHK

#5910V000



Adapter set Ø 106 mm

- for round tube
- suitable for S X/X/92 NHK

#5911V000



Adapter set Ø 120 mm

- for round tube
- suitable for S X/X/92 NHK

#5912V000



Adapter set Ø 106 mm

- for notch tube
- suitable for S X/X/92 NHK

#5916V001



Adapter set Ø 94 mm

- for notch tube
- suitable for S X/X/92 NHK

#5922V000



Adapter set Ø 133mm

- for notch tube
- suitable for S X/X/92 NHK

#5946V000



Adapter set Ø 127 mm

- for notch tube
- suitable for S X/X/92 NHK

#5947V000

GENERAL ACCESSORIES



Emergency hand crank

- for tubular motors S X/X/X NHK
- handle with hinge
- length: 1,800 mm

#11379V000



2-wire light barrier in the set

- can be connected directly to RDC Vision, RDC 800
- range limit 8 m, suitable for outdoor installation, IP code IP44
- DC 15–35 V, AC 12–24 V

#7023V000



Warning light 230 V

- not self-blinking
- socket E14, 15 W
- with bulb
- IP code IP44

#5070V001