



### SPECIAL FEATURES LLA

- For smoke and heat exhausting, natural ventilation and ferralux® NRW (EN12101-2)
- DIP-Switches for the selection of the running direction and solo-/synchronised run
- Reed-contact for the activation of the emergency closing programm functions
- Self learning stroke recognition
- Robust corrosion-resistant design
- Easy installation by concealed holes below the oblique end caps
- Coupling adapter with milling groove  $\varnothing 13,3 \times 9,2$  mm
- Programmable parameters of Internal Intelligent Control Electronics S12
  - Synchronised multi-operation and sequence control without add. devices
  - Electronic soft-start, soft-close and soft-stop at end of stroke control
  - Stroke, force, speed
  - Rebate control

For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804.

The LCA results of the different product types are listed at the end of this product catalogue.

The EPD documents can be viewed or downloaded from our homepage [www.aumueller-gmbh.de](http://www.aumueller-gmbh.de).

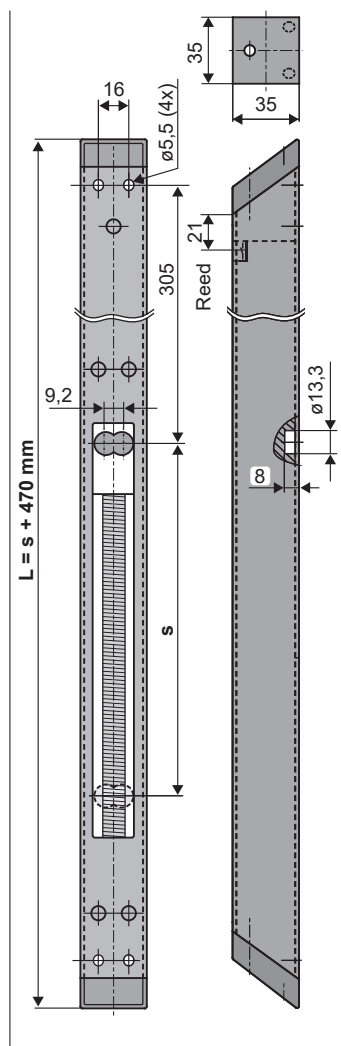
Typical applications



- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Coupling adapter with double slot groove  $\varnothing 13,3 \times 9,2$  mm

### Options

- Programmable synchronised run (max. 4 drives) and special functions
- Programmable sequence control with locking drives (S3 / S12)
- Customized stroke and coupling adapter on request



### TECHNICAL DATA

$U_N$	Rated voltage	24V DC (19V ... 28V)
$I_N$	Rated current	LLA10: 0,6 A LLA16: 0,9 A
$I_A$	Cut-off current	LLA10: 1,0 A LLA16: 1,2 A
$P_N$	Rated power	LLA10: 15 W LLA16: 22 W
<b>DC</b>	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 40
	Ambient temperature range	-5 °C ... +60 °C
$F_Z$	Pulling force max.	LLA10: 1000 N LLA16: 1600 N
$F_A$	Pushing force	LLA10: 1000 N LLA16: 1600 N
$F_H$	Pullout force	5000 N (fastening depended)
	Coupling adapter	Polyamid PA6 with groove 13 x 22 x 8 mm
	Connecting cable	non-halogen, grey 3 x 1,0 mm <sup>2</sup> , ~ 3 m
$v$	Speed	$\times$ 4,0 mm/s $\curvearrowright$ 4,0 mm/s
<b>S</b>	Stroke	60 – 200 mm
<b>L</b>	Length	s + 470 mm see order data
	Sound pressure level	$\leq$ 70 dB (A)

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.	
60	530	LLA10 60 S12	E6/C-0	1	520306	
120	590	LLA10 120 S12	E6/C-0	1	520312	
200	670	LLA10 200 S12	E6/C-0	1	520343	
60	530	LLA16 60 S12	E6/C-0	1	520406	
120	590	LLA16 120 S12	E6/C-0	1	520412	
200	670	LLA16 200 S12	E6/C-0	1	520423	

OPTIONS			
Special model	PU/pcs.	Part.-No.	
<b>Drive housing painted/powder coated in other RAL colours</b>			
<b>Lump sum for coating</b>		516030	
Specify at order stage:	1 – 20	516004	
	21 – 50	516004	
	51 – 100	516004	
	from 101	516004	
<b>Extra length connecting cable:</b>			
5 m – non-halogen, grey – 3 x 1,0 mm <sup>2</sup>		501037	
10 m – non-halogen, grey – 3 x 1,0 mm <sup>2</sup>		501039	
<b>Microprocessor programming S12</b>			
Programming drives 24V / 230V S12	1	524180	
Electronic stroke reduction 24V S12	1	524190	
Programming synchronised multi-drive systems 24V S3 / S12 (each drive)	1	524182	