

# 8

## Accessories drives

### ACCESSORIES

Main control unit																			
<p><b>M-COM</b></p> 	<p><b>Application</b>  <b>Configuration module</b> for automatic configuration and surveillance of max. 4 opening drives / 2 locking drives version S12/ S3 in synchronised multi-drive systems</p> <p><b>Rated voltage:</b> 24 V DC (19 V ... 28 V)</p> <p><b>Current consumption:</b> &lt;12 mA</p> <p><b>Drive type:</b> S12</p>	<p><b>Part.-No. 524177</b></p> <p><b>Protection rating</b> IP30 rubber envelope</p> <p><b>Ambient temperature range</b> 0 °C ... + 70 °C</p> <p><b>Dimensions</b> 45 x 17 x 6 mm</p> <p><b>Connecting wires</b> 3 wires 0,5 mm<sup>2</sup> x 50 mm</p> <p><b>Feature/Equipment</b> Printed circuit board with components and connection wires to be installed in connection box to be supplied on site</p>																	
<p><b>M-COM® Click</b></p> 	<p><b>Application</b>  <b>Configuration module</b> for automatic configuration and surveillance of max. 4 opening drives / 2 locking drives version S12/ S3 in synchronised multi-drive systems</p> <p><b>Rated voltage:</b> 24 V DC (19 V ... 28 V)</p> <p><b>Current consumption:</b> &lt;12 mA</p> <p><b>Drive type:</b> S12</p>	<p><b>Part.-No. 524167</b></p> <p><b>Protection rating</b> IP30</p> <p><b>Ambient temperature range:</b> -5 °C ... +70 °C</p> <p><b>Dimensions:</b> 40 x 26 x 15 mm</p> <p><b>Connection:</b> for <b>AUMÜLLER</b> chain drives with <b>Wire Click</b></p> <p><b>Equipment</b> Tongs for removing the M-COM® Click</p>																	
Plug solution																			
<p><b>Wire Click</b></p>  <p>View: 24V</p>	<p><b>Wire Click:</b> Unified plug solution for <b>AUMÜLLER</b> chain drives and <b>AUMÜLLER</b> folding arm drives.</p> <p><b>Rated voltage:</b> 24 V DC (19 V ... 28 V) 230 V AC (± 20 %), max. 2 V<sub>pp</sub></p> <p><b>Connecting cable:</b> non-halogen, grey 5 x 0,5 mm<sup>2</sup> (24V) 6 x 0,75 mm<sup>2</sup> (230V)</p> <p><b>Terminal:</b> to 1,5 mm<sup>2</sup></p>	<p><b>Feature/Equipment</b></p> <ul style="list-style-type: none"> <li>• Flexible cable length</li> <li>• Connect multiple drives in series connection</li> <li>• Torsion-plug</li> <li>• Locking hooks prevent withdrawal of the plug under tensile load</li> <li>• Strain relief according DIN EN 60335-1 by screwing the housing halves</li> </ul>	<table border="1"> <thead> <tr> <th colspan="2">VARIANTS: 24V</th> </tr> </thead> <tbody> <tr> <td>3 m cable length - 24V DC</td> <td>Part.-No. 501251</td> </tr> <tr> <td>5 m cable length - 24V DC</td> <td>Part.-No. 501252</td> </tr> <tr> <td>10 m cable length - 24V DC</td> <td>Part.-No. 501253</td> </tr> <tr> <th colspan="2">VARIANTS: 230V</th> </tr> <tr> <td>3 m cable length - 230V AC</td> <td>Part.-No. 501273</td> </tr> <tr> <td>5 m cable length - 230V AC</td> <td>Part.-No. 501275</td> </tr> <tr> <td>10 m cable length - 230V AC</td> <td>Part.-No. 501280</td> </tr> </tbody> </table>	VARIANTS: 24V		3 m cable length - 24V DC	Part.-No. 501251	5 m cable length - 24V DC	Part.-No. 501252	10 m cable length - 24V DC	Part.-No. 501253	VARIANTS: 230V		3 m cable length - 230V AC	Part.-No. 501273	5 m cable length - 230V AC	Part.-No. 501275	10 m cable length - 230V AC	Part.-No. 501280
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ACCESSORIES

Feedback module

RM-E



Application

**Control module** for feedback signal of end positions OPEN/ CLOSE from one ore more drives type S3/S12 via a potential-free changeover contact. Connection and power supply into/by the drive line

**Rated voltage:** 24V DC (19 V ... 28 V)  
**Current consumption:** < 5 mA  
**Drive type:** S3, S12

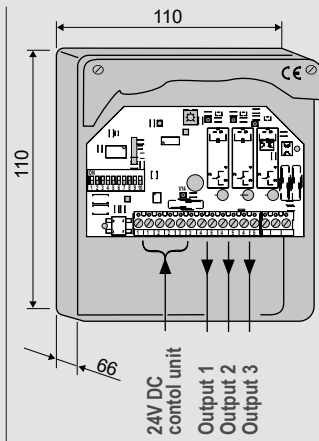
**Part.-No. 500158**

**Protection rating** IP 54  
**Ambient temperature range** 0 °C ... + 70 °C

**Surf. mount. plastic housing** 94 x 94 x 42 mm  
**Feature/Equipment** Evaluation of end positions due to the communication wire of drives type S3/S12

Control module

USKM



Application

**Control module** with 3 outputs and individual settuble cut-off current, monitored motion run, delayed sequence control.  
**Functions:** Motion-monitoring up to 3 drives, 2 sequential controls

**Rated voltage:** 24V DC (19 V ... 28 V)  
**Close circiut current :** < 50 mA  
**Connections:** max. 3 drives; s < 300 mm



**Part.-No. 512140**

**Rated current per drive** max. 2,5 A  
**Drive type** S1, S2, S3, S12, FV1, OFV1

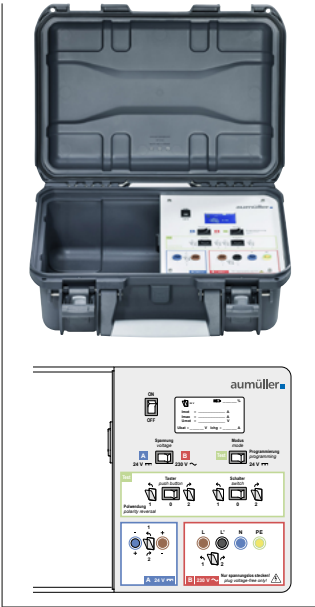
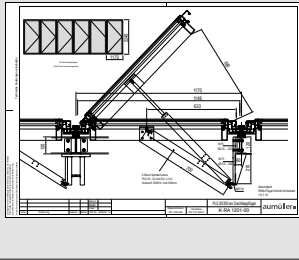
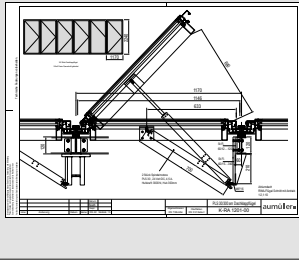
**Protection rating** IP 54  
**Ambient temperature range** 0 °C ... + 70 °C

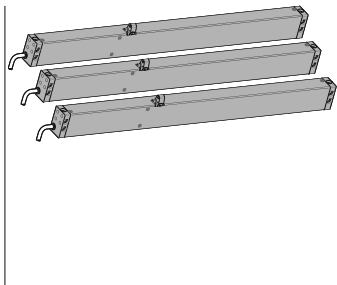
**Surf. mount. plastic housing** 110 x 110 x 66 mm  
**Feature/Equipment** DIP-Switches for settings, connection terminals: 2,5 mm<sup>2</sup>

### ACCESSORIES

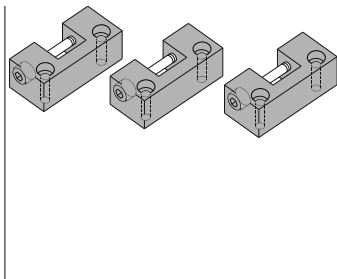
Relay Interface		
TRM		<p><b>Application</b>  <b>Realy interface</b> for connection of 230V AC drives to a 24V DC motor line. Control by changing the polarity of the 24V DC power supply</p> <p><b>Rated voltage:</b> 24V DC (19 V ... 28 V)</p> <p><b>Close circuit current:</b> &lt; 100 mA</p> <p><b>Connections:</b> 1 drive group</p> <p><b>Part.-No. 670071</b></p> <p><b>Current per drive group</b> 230V AC max. 3,0 A</p> <p><b>Drive type</b> S2, S3, S12, MP</p> <p><b>Protection rating</b> IP 54</p> <p><b>Ambient temperature range</b> 0 °C ... + 70 °C</p> <p><b>Surf. mount. plastic housing</b> 98 x 98 x 58 mm</p> <p><b>Feature/Equipment</b> Connection terminals 4 mm<sup>2</sup></p>
UniPC		<p><b>Application</b>  <b>Hard- and software</b> for the configuration of drives produced by <b>AUMÜLLER AUMATIC GmbH</b></p> <p><b>Rated voltage:</b> 24V DC (19 V ... 28 V)</p> <p><b>Configurable drives:</b> 24V DC: S3, S12, S12 V.2 230V AC: S12, S12 V.2</p> <p><b>Package contents:</b> Software UniPC (Download link) Interface "ParInt" USB cable Connection cable</p> <p><b>Connections:</b> 3x Pluggable screw terminals 1,0 mm<sup>2</sup> USB Port</p> <p><b>Part.-No. 524178</b></p> <p><b>System requiremnts</b> CPU 1 GHz or faster OS Microsoft® Windows 7 Windows 10 RAM min. 512 MB HDD min. 100 MB empty</p> <p><b>Feature/Equipment</b> Power supply 24V DC not included! Software licence for extended settings required!</p>

ACCESSORIES

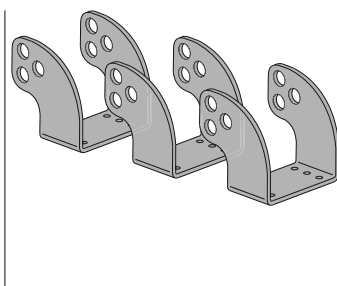
Test kiit for drives			
IK		<p><b>Application</b>  <b>Test kit</b> to test the running behavior and to support the commissioning of 24 V DC or 230 V AC window drives.</p> <p><b>Supply voltage:</b> 230 V AC</p> <p><b>Drive types:</b> 24 V DC / 230 V AC</p> <p><b>Drive current:</b> max. 5,0 A</p>	<p><b>Part.-No. 533984</b></p> <p><b>TFT display, colored</b> drive current, battery charging</p> <p><b>Ambient temperature range</b> -15 °C ... + 40 °C</p> <p><b>Plastic housing</b> 400 x 300 x 168 mm</p> <p><b>Weight</b> ca. 5,3 kg</p> <p><b>Control elements</b> 3x switches 2x push buttons</p> <p><b>Scope of delivery</b> 1x test kit 1x mains plug 4x safety banana plugs 1x operating manual (German, English)</p>
Wiring diagramm			
DL240		<p><b>Application</b>  <b>Providing</b> of customized installation and wiring diagrams. Price per ventilation/RWA line</p>	<p><b>Part.-No. 240</b></p>
DL241		<p><b>Application</b>  <b>Providing</b> of customized installation drawings for drives – Draw in of drives in customers' drawings</p>	<p><b>Part.-No. 241</b></p>



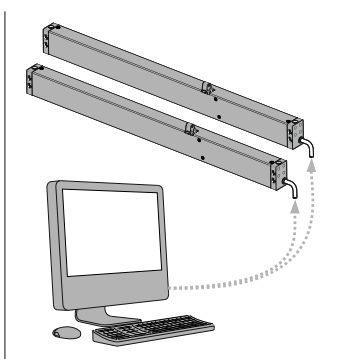
Special model	PU/pcs.	Part.-No.			
<b>Drive housing painted / powder coated in RAL colours</b>					
<b>Lump sum for coating</b>		<b>516030</b>			
Specify at order stage:	1 – 20	<b>516004</b>			
	21 – 50	<b>516004</b>			
	51 – 100	<b>516004</b>			
	from 101	<b>516004</b>			



Special model	PU/pcs.	Part.-No.			
<b>Casement brackets painted/powder coated in RAL colours</b>					
<b>Lump sum for coating</b>		<b>516030</b>			
Specify at order stage:	1 – 20	<b>516032</b>			
	21 – 50	<b>516032</b>			
	51 – 100	<b>516032</b>			
	from 101	<b>516032</b>			



Special model	PU/pcs.	Part.-No.			
<b>Frame brackets painted/powder coated in RAL colours</b>					
<b>Lump sum for coating</b>		<b>516030</b>			
Specify at order stage:	1 – 20	<b>516031</b>			
	21 – 50	<b>516031</b>			
	51 – 100	<b>516031</b>			
	from 101	<b>516031</b>			



Special model	PU/pcs.	Part.-No.			
<b>Microprocessor programming S12</b>					
Programming synchronised multi-drive systems 24V S3 / S12 (each drive)	1	<b>524182</b>			
Programming synchronised multi-drive systems 230V S12 (each drive)	1	<b>495588</b>			
Electronic stroke reduction 24V S12	1	<b>524190</b>			
Electronic stroke reduction 230V S12	1	<b>495590</b>			
Programming drives 24V / 230V S12	1	<b>524180</b>			

Special model	PU/pcs.	Part.-No.			
<b>Mechanic stroke reduction PLA S3</b>					
Stroke reduction without construction length - mechanically	1	<b>516000</b>			

NRWG							
Product	System	Profiles	Opening	Scope	ITT	CoCoP	Valid
Ferralux NRWG 011	Schüco AWS	AWS 50	inw/outw	Facade	11-002647-PR01 (PP-04)	0757-CPR-288-6032781-2-4	2023-07-13
		AWS 60	inw/outw				
		AWS 65	inw/outw				
		AWS 70	inw/outw				
		AWS 75	inw/outw				
		AWS 57RO	outw	Roof	11-002647-PR01 (PP-04)	0757-CPR-288-6032781-8-2	2023-07-13
Ferralux NRWG 050	Forster	Unico	inw/outw	Facade	12-001670-PR01 (PB-03)	0757-CPR-288-0632781-3-4	2023-12-10
Ferralux NRWG 070	Raico	Frame+ 65W	inw/outw	Facade	15-001142-PR02 (PP-02)	0757-CPR-288-6032781-4-4	2023-12-10
		Frame+ 75WE	inw/outw				
		Frame+ 75WA	inw/outw				
		Wing 105D	outw	Roof	15-001142-PR02 (PP-02)	0757-CPR-288-6032781-7-2	2023-12-10
Ferralux NRWG 080	Hueck	Lambda WS 075	inw	Facade	16-002717-PR10 (PP-01)	0757-CPR-288-6032781-9-1	2024-01-29
		Lambda WS 075 IS	inw				
		Lambda WS 075 CD/RD	inw				
		Lambda WS 075 OU	outw				
		Lambda duo90	inw				
		Lambda duo90 IF	inw				
Ferralux NRWG 100	Aliplast	Imperial IP 75	inw/outw	Facade	16-004337-PR12 (PP-02)	0757-CPR-288-6032781-10-1	
		Superial SP 85	inw/outw				
		Ecofutural EF75	inw/outw				
		Star GT 90	inw/outw				

**LEGEND:**

ITT: Product / system pass

CoCoP: Certificate of constancy of performances

Since the publication of the harmonized EN 12101-2:2003 „Smoke and heat control systems“ – Part 2: „Specification for Natural Smoke and Heat Exhaust Ventilators“ the NRWGs belongs to those construction products which may be labeled with a „CE“ mark in accordance with the Construction Products Regulation (CPR) if their performance matches the Declaration of Performance (DoP) issued by the manufacturer. On this basis they may be used to the purpose designated by the manufacturer in the DoP if they are required by the construction law as part of smoke and heat exhaust systems.

NRWGs are multi-part complex construction products which are assembled from parts of various contractors of handcraft or industrial services. They basically are manufactured from a casement and a window frame for façade, wall or roof mounting and an electric opening drive, which will ensure the window opening for smoke and heat exhaust in case of fire.

The windows itself are also regulated construction products. Their design and manufacturing have to fulfil the provisions for weathertightness, environmental protection or energy saving measures. The provisions of EN 14351 (windows and doors), EN 13830 (curtain wall facades) and EN 14963 (rooflights) shall be noted.

Window only may be declared as NRWG if opening and locking drives with frame and casement brackets are installed. They must then in addition meet the technical demands and performance classes of EN 12101-2, which only regulates the status of a NRWG as component of a smoke and heat exhaust system not as a part of the facade or roof.

As a result, NRWG must meet all relevant standards for the building envelope, for smoke and heat exhaust systems and possibly the Machinery Directive for power operated windows and doors if the dual purpose for ventilation is used. Deviations from national standard should be noted in the design stage.

**AUMÜLLER** has tested various representative samples, has established a factory production control system and has got the Declarations of Conformity in accordance with annex ZA to EN 12101-2:2003 from the notified product certification body ift-Rosenheim. Therefore **AUMÜLLER** is a system provider as well as a certified manufacturer of NRWGs.

Prices for licenses, manufacturing and project-specific design of NRWGs on request.