

12

Shutter/Blind Control

12/2

Inserts

12/5

Inserts with cover plate



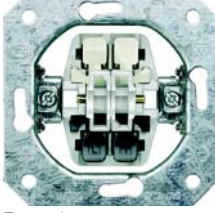
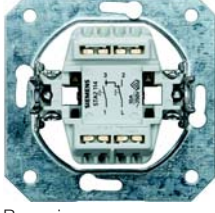
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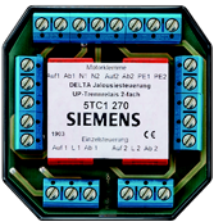
Accessories and spare parts

Shutter/Blind Controlav

Inserts


Selection and ordering data

Design	Order No.	Price	PG	PS*/ P. unit														
		1 item		Items														
<p>General information for screw and claw fixing 10 A, 250 V AC live parts of inserts are covered by molded plastic self-retracting claws the screwless terminals are connecting terminals for Cu and aluminum conductors</p>																		
<table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Extension claws, see ...</td> <td><i>Switching/pushbutton control/dimming/Accessories and spare parts</i></td> <td>10/18</td> </tr> </tbody> </table>					Note	Section	Page	Extension claws, see ...	<i>Switching/pushbutton control/dimming/Accessories and spare parts</i>	10/18								
Note	Section	Page																
Extension claws, see ...	<i>Switching/pushbutton control/dimming/Accessories and spare parts</i>	10/18																
<p>Shutter/blind switch, with electrical and mechanical interlock 5TA2 154 021 1/10</p>																		
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For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind switches with electrical and mechanical interlock</i>	18/43																
 <p>Front view</p>																		
 <p>Rear view</p>																		
<p>Shutter/blind pushbutton, with electrical interlock 5TA2 114 021 1/10</p>																		
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 <p>Rear view</p>																		

Design	Order No.	Price	PG	PS*/ P. unit																										
		1 item		Items																										
 <p>Shutter/blind control sys insert for controlling a shutter/blind motor with mechanical or electronic limit switches flush mounting device operation by means of <i>shutter/blind sys</i> pushbuttons and <i>UP 211 wave shutter/blind pushbuttons</i> (radio)</p> <p>Product features</p> <ul style="list-style-type: none"> 2 electric safety locking relays with a minimum changeover time of 1 s Group and central controls by combination of several shutter/blind control sys inserts The "wind alarm" safety function can be implemented through the UP secondary input Multiphase operation possible (i.e. different phases at the main and secondary branches) Bridging of power failures < 0.2 s Conventional shutter/blind pushbutton (5TA2 114) or switch (5TA2 154) can be connected over secondary inputs Number of secondary branches: unlimited Rated voltage: 230 V AC, 50 Hz (neutral conductor required) Connected load: max. 1 motor 1000 VA. <table border="1"> <thead> <tr> <th>Top, see section</th> <th>Product range</th> <th>On page (ff.)</th> </tr> </thead> <tbody> <tr> <td><i>Shutter/blind control</i></td> <td><i>DELTA i-system</i></td> <td>1/23</td> </tr> <tr> <td></td> <td><i>DELTA profil</i></td> <td>5/24</td> </tr> <tr> <td></td> <td><i>DELTA style</i></td> <td>6/17</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>For further technical information, see ...</td> <td><i>Technical information/Shutter/blind control/Shutter/blind control sys inserts</i></td> <td>18/47</td> </tr> </tbody> </table>	Top, see section	Product range	On page (ff.)	<i>Shutter/blind control</i>	<i>DELTA i-system</i>	1/23		<i>DELTA profil</i>	5/24		<i>DELTA style</i>	6/17	Note	Section	Page	For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind control sys inserts</i>	18/47	5TC1 231		024	1								
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For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind control sys inserts</i>	18/47																												
 <p>Shutter/blind control flush mounting isolating relay, double, with individual control relay for the control of several shutters or blinds two motors can be controlled by each isolation relay, even if additional isolation relays are connected downstream option for individual control of connected motors over blind pushbutton (e.g. 5TA2 114) in order to ensure a sufficient degree of protection, the isolation relay is to be installed in a surface mounting or flush mounting box</p> <p>Technical specifications</p> <table border="1"> <tbody> <tr> <td>Rated voltage</td> <td>230 V/50 Hz ±10%</td> </tr> <tr> <td>Relay switching voltage</td> <td>max. 250 V</td> </tr> <tr> <td>Relay switching capacity</td> <td>max. 8 A (AC1), 3 A (ind.)</td> </tr> <tr> <td>Control voltage</td> <td>230 V AC ±10 %</td> </tr> <tr> <td>Relay current consumption</td> <td>10 mA</td> </tr> <tr> <td>Temperature range</td> <td>0 ... 60C</td> </tr> <tr> <td>Terminals</td> <td>max. 2.5 mm²</td> </tr> <tr> <td>Dimensions</td> <td>58 mm x 59 mm x 22 mm</td> </tr> <tr> <td>Weight</td> <td>approx. 75 g</td> </tr> <tr> <td>Mounting</td> <td>Flush mounting box from 70 mm Ø, 4 mm deep or surface mounting box 100 mm x 100 mm</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Interlock to prevent simultaneous actuation of central and individual control Priority switching of the central command The switchover time between an UP and DOWN command must 0.5 sec Only for in-phase operation <table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Further technical information, see ...</td> <td><i>Technical information/Shutter/blind control/UP isolating relays for shutter/blind control</i></td> <td>18/54</td> </tr> </tbody> </table>	Rated voltage	230 V/50 Hz ±10%	Relay switching voltage	max. 250 V	Relay switching capacity	max. 8 A (AC1), 3 A (ind.)	Control voltage	230 V AC ±10 %	Relay current consumption	10 mA	Temperature range	0 ... 60C	Terminals	max. 2.5 mm ²	Dimensions	58 mm x 59 mm x 22 mm	Weight	approx. 75 g	Mounting	Flush mounting box from 70 mm Ø, 4 mm deep or surface mounting box 100 mm x 100 mm	Note	Section	Page	Further technical information, see ...	<i>Technical information/Shutter/blind control/UP isolating relays for shutter/blind control</i>	18/54	5TC1 270		024	1
Rated voltage	230 V/50 Hz ±10%																													
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Further technical information, see ...	<i>Technical information/Shutter/blind control/UP isolating relays for shutter/blind control</i>	18/54																												

Shutter/Blind Controlav

Inserts

Design	Order No.	Price	PG	PS*/ P. unit
		1 item		Items
 <p>Shutter/blind control flush mounting isolating relay, compact <small>NEW</small></p> <p>relay for the control of several shutters or blinds a maximum of two motors can be connected per compact isolation, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton. If cascaded, a motor can be connected to each compact isolation relay, which can also be individually controlled over a blind pushbutton. In order to ensure a sufficient degree of protection, the isolation relay must be installed in a surface mounting or flush mounting box; available for delivery from 01/2005</p>	5TC1 271		024	1
Technical specifications				
Rated voltage	230 V/50 Hz ±10%			
Relay switching capacity	max. 8 A (AC1), 3 A (ind.)			
Control voltage	230 V/50 Hz ±10%			
Relay current consumption	10 mA			
Temperature range	0 ... 60 °C			
Terminals	max. 2.5 mm ²			
Dimensions	50 mm x 53 mm x 22 mm			
Weight	approx. 60 g			
Mounting	Flush mounting box from 60 mm Ø, 40 mm deep or surface mounting box 75 mm x 75 mm x 37 mm			
Interlock to prevent simultaneous actuation of central and individual control				
Priority switching of the central command				
The switchover time between an UP and DOWN command must be 0.5 sec				
Only for in-phase operation				
Note	Section	Page		
For further technical information, see ...	<i>Technical information/Shut- ter/blind control/Compact flush mounting isolating relays for shutter/blind control</i>	18/55		




Selection and ordering data





Design	Order No.	Price	PG	PS*/ P. unit			
		1 item		Items			
 <p>Shutter/blind knob-operated switch, with Up/Down symbols, in DELTA i-system design for screw and claw fixing screw connection 10 A, 250 V AC momentary-contact and maintained-contact position to left and right and neutral position</p> <ul style="list-style-type: none"> • 1-pole (changeover contact with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 660 – electrical white (RAL 1013) 5TA7 671 • 2-pole (changeover contacts with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 661 – electrical white (RAL 1013) 5TA7 672 <p>Note Section Page For further technical information, see ... <i>Technical information/Shutter/blind control/Shutter/blind knob-operated switches</i> 18/44</p>							
	 <p>Shutter/blind knob-operated switch, with "Down-0-Up" label, in DELTA i-system design for screw and claw fixing screw connection 10 A, 250 V AC 1-pole (changeover contact with neutral position) momentary-contact position to left and right and neutral position titanium white similar to RAL</p> <ul style="list-style-type: none"> • titanium white (similar to RAL 9010) 5TA7 663 • electrical white (RAL 1013) 5TA7 674 <p>Note Section Page For further technical information, see ... <i>Technical information/Shutter/blind control/Shutter/blind knob-operated switches</i> 18/44</p>						
		 <p>Shutter/blind key-operated switch, with Up/Down symbols, in DELTA i-system design with safety lock and 2 keys for screw and claw fixing screw connection 10 A, 250 V AC 1-pole, (changeover contact with neutral position) identical key type key can only be withdrawn in neutral position momentary-contact and maintained-contact position to left and right and neutral position</p> <ul style="list-style-type: none"> • titanium white (similar to RAL 9010) 5TA7 662 • electrical white (RAL 1013) 5TA7 673 <p>Note Section Page For further technical information, see ... <i>Technical information/Shutter/blind control/Shutter/blind key-operated switches</i> 18/44</p>					
			 <p>Shutter/blind key-operated switch with Up/Down symbols, surface mounting, in DELTA fläche design IP44 IP44 splash-proof 10 A, 250 V AC complies with DIN 49 200 enclosure made of high-impact molded plastic size of cover: 66 mm x 75 mm cable entry: Slide nipples for cables, 8 - 13.5 mm Ø screw connection 1-pole, (changeover contact with neutral position) with 2 keys identical key type (different locking systems on request) key can only be withdrawn in neutral position</p> <ul style="list-style-type: none"> • momentary-contact and maintained-contact position to left and right 5TA7 650 • momentary-contact position to left and right 5TA7 651 <p>Note Section Page For further technical information, see ... <i>Technical information/Shutter/blind control/Shutter/blind key-operated switches</i> 18/44</p>				

* You can order this quantity or a multiple thereof.

Shutter/Blind Controlav


Inserts with cover plate


Design	Order No.	Price	PG	PS*/ P. unit									
		1 item		Items									
 <p>Shutter/blind pushbutton, with electrical interlock, with Up/Down symbols, in DELTA fläche design, IP44 screwless terminals terminal assignment same as for surface mounting insert 5TA2 114</p>	5TD4 708		021	1/10									
<table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>For further technical information, see ...</td> <td><i>Technical information/ Shutter/blind control/ Shutter/blind pushbuttons, with electrical interlock</i></td> <td>18/43</td> </tr> </tbody> </table>	Note	Section	Page	For further technical information, see ...	<i>Technical information/ Shutter/blind control/ Shutter/blind pushbuttons, with electrical interlock</i>	18/43							
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For further technical information, see ...	<i>Technical information/ Shutter/blind control/ Shutter/blind pushbuttons, with electrical interlock</i>	18/43											
 <p>Shutter/blind key-operated switch for master-key systems, with Up/Down symbols, momentary-contact position to left and right, in DELTA i-system design for screw and claw fixing screw connection 10 A, 250 V AC key can only be withdrawn in neutral position</p>													
<ul style="list-style-type: none"> • 1-pole (changeover contact with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 666 – electrical white (RAL 1013) 5TA7 677 • 2-pole (changeover contacts with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 667 – electrical white (RAL 1013) 5TA7 678 													
<table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Profile semicylinder 5TG4 225 must be ordered separately</td> <td></td> <td></td> </tr> <tr> <td>For further technical information, see ...</td> <td><i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i></td> <td>18/45</td> </tr> </tbody> </table>	Note	Section	Page	Profile semicylinder 5TG4 225 must be ordered separately			For further technical information, see ...	<i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i>	18/45	5TG4 225		021	1/10
Note	Section	Page											
Profile semicylinder 5TG4 225 must be ordered separately													
For further technical information, see ...	<i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i>	18/45											
 <p>Shutter/blind key-operated switch for master-key systems, with Up/Down symbols, momentary-contact and maintained-contact position to left and right in DELTA i-system design for screw and claw fixing screw connection 10 A, 250 V AC key can only be withdrawn in neutral position</p>													
<ul style="list-style-type: none"> • 1-pole (changeover contact with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 664 • electrical white (RAL 1013) 5TA7 675 • 2-pole (changeover contacts with neutral position) <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 665 • electrical white (RAL 1013) 5TA7 676 													
<table border="1"> <thead> <tr> <th>Note</th> <th>Section</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Profile semicylinder 5TG4 225 must be ordered separately</td> <td></td> <td></td> </tr> <tr> <td>For further technical information, see ...</td> <td><i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i></td> <td>18/45</td> </tr> </tbody> </table>	Note	Section	Page	Profile semicylinder 5TG4 225 must be ordered separately			For further technical information, see ...	<i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i>	18/45	5TG4 225		021	1/10
Note	Section	Page											
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For further technical information, see ...	<i>Technical information/Shut- ter/blind control/Shutter/ blind key-operated switches, for master-key systems</i>	18/45											

Design	Order No.	Price	PG	PS*/ P. unit
		1 item		Items
 <p>Shutter/blind key-operated switch for master-key systems, with Up/Down symbols, maintained-contact position to left and right, in DELTA i-system design for screw and claw fixing, screw connection, 10 A, 250 V AC</p> <ul style="list-style-type: none"> • 1-pole, key can only be withdrawn in neutral position, changeover contact with neutral position <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 668 – electrical white (RAL 1013) 5TA7 680 <ul style="list-style-type: none"> • 2-pole, changeover contacts without neutral position, key can be withdrawn in both maintained-contact positions <ul style="list-style-type: none"> – titanium white (similar to RAL 9010) 5TA7 670 – electrical white (RAL 1013) 5TA7 681 				
Note	Section	Page		
Profile semicylinder 5TG4 225 must be ordered separately		5TG4 225	021	1/10
For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind key-operated switches, for master-key systems</i>	18/45		
 <p>Shutter/blind key-operated switch for master-key systems, with Up/Down symbols, in DELTA profil design for screw and claw fixing, screw connection, 10 A, 250 V AC, key can only be withdrawn in neutral position, 1-pole (changeover contact with neutral position), titanium white (similar to RAL 9010)</p> <ul style="list-style-type: none"> • momentary-contact and maintained-contact position to left and right 5TA7 682 • maintained-contact position to left and right 5TA7 683 • momentary-contact position to left and right 5TA7 684 				
Note	Section	Page		
Profile semicylinder 5TG4 225 must be ordered separately		5TG4 225	021	1/10
For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind key-operated switches, for master-key systems</i>	18/45		
 <p>Shutter/blind key-operated switch for master-key systems, with Up/Down symbols, in DELTA style design for screw and claw fixing, screw connection, 10 A, 250 V AC key can only be withdrawn in neutral position changeover contact with neutral position 1-pole (changeover contact with neutral position) titanium white (similar to RAL 9010)</p> <ul style="list-style-type: none"> • momentary-contact and maintained-contact position to left and right 5TA7 685 • maintained-contact position to left and right 5TA7 686 • momentary-contact position to left and right 5TA7 687 				
Note	Section	Page		
Profile semicylinder 5TG4 225 must be ordered separately		5TG4 225	021	1/10
For further technical information, see ...	<i>Technical information/Shutter/blind control/Shutter/blind key-operated switches, for master-key systems</i>	18/45		
 <p>Profile semicylinder for "shutter/blind key-operated switch for master-key systems" CES product with three keys of identical key type</p>	5TG4 225		021	1/10

Shutter/Blind Controlav

Inserts with cover plate


Design	Order No.	Price	PG	PS*/ P. unit
		1 item		Items
 <p>Shutter/blind control for use with the DELTA i-system / DELTA profil and DELTA style product ranges for controlling a blind motor or shutter motor with mechanical or electronic limit switches operation is by means of 4 control buttons.</p> <ul style="list-style-type: none"> • titanium white (similar to RAL 9010) • electrical white (RAL 1013) • aluminum metallic or silver (similar to RAL 9006) • carbon metallic or anthracite (similar to RAL 7016) 	5TC1 520		024	1
	5TC1 532		024	1
	5TC1 522		024	1
	5TC1 524		024	1
Note	Section	Page		
For use with the DELTA profil product range, the following <i>intermediate frames</i> must be ordered separately:				
• titanium white (similar to RAL 9010)	<i>DELTA profil / frames</i>	5/8	5TG1 893	021 1/10
• silver or aluminum metallic (similar to RAL 9006)	<i>DELTA profil / frames</i>	5/8	5TG1 762	021 1/10
• anthracite or carbon metallic (similar to RAL 7016)	<i>DELTA profil / frames</i>	5/8	5TG1 835	021 1/10
For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ...	<i>DELTA style / Frames</i>	6/6	5TG1 327	021 1/10
Product features				
Flush mounting device without an extension unit input				
230 V AC, 50 Hz (N conductor required)				
With screw and claw fixing				
Type of connection: screw-type terminals				
2 relays which are interlocked against each other with a minimum switchover time of approx. 1 sec				
Bridging of voltage interruptions < 0.2 sec				
Connected load: max. 1 motor to 1000 W				
Pulse duration: approx. 2 min				
Accuracy: ± 1 min per month				
Reserve power: > 6 h				
Switching times: max. 4 (in 2 blocks: Mo to Fr / Sa to Su)				
Factory preset switching times for faster commissioning				
Possible reset to factory setting. Manual operation is possible at any time.				

Design	Order No.	Price	PG	PS*/ P. unit
		1 item		Items
 <p>Comfort shutter/blind control for use with the DELTA i-system / DELTA profil and DELTA style product ranges for controlling a blind motor or shutter motor with mechanical or electronic limit switches with comprehensive functionality operation is by means of 4 control buttons.</p> <ul style="list-style-type: none"> • titanium white (similar to RAL 9010) • electrical white (RAL 1013) • aluminum metallic or silver (similar to RAL 9006) • carbon metallic or anthracite (similar to RAL 7016) 	5TC1 521		024	1
	5TC1 533		024	1
	5TC1 523		024	1
	5TC1 525		024	1
Note	Section	Page		
The <i>sun sensor</i> must be ordered separately, see ...	<i>DELTA i-system/Accessories and spare parts</i>	1/37	5TC1 526	024 1
For use with the DELTA profil product range, the following <i>intermediate frames</i> must be ordered separately:				
• titanium white (similar to RAL 9010)	<i>DELTA profil / frames</i>	5/8	5TG1 893	021 1/10
• silver or aluminum metallic (similar to RAL 9006)	<i>DELTA profil / frames</i>	5/8	5TG1 762	021 1/10
• anthracite or carbon metallic (similar to RAL 7016)	<i>DELTA profil / frames</i>	5/8	5TG1 835	021 1/10
For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ...	<i>DELTA style / Frames</i>	6/6	5TG1 327	021 1/10
Product features				
Flush mounting device without an extension unit input				
230 V AC, 50 Hz (N conductor required)				
With screw and claw fixing				
Type of connection: screw-type terminals				
2 relays which are interlocked against each other with a minimum switchover time of approx. 1 sec				
Bridging of voltage interruptions < 0.2 sec				
Connected load: max. 1 motor to 1000 W				
Pulse duration: 2 min factory setting, may be changed to as much as 12 min by configuration				
Accuracy: ± 1 min per month				
Reserve power: approx. 24 h				
Switching times: max. 18 (can be split up in three memories)				
Factory preset switching times for faster commissioning				
Possible reset to factory settings				
Random generator ± 15 min				
Astro program (can be delayed by ± 1 h 59 min)				
Easy changeover from summer to winter time				
Twilight and sun protection function is possible with an optional sun sensor.				
The random and astro functions can be combined.				
Manual operation possible at any time				

Shutter/Blind Controlav

Accessories and spare parts

Selection and ordering data

Design		Order No.	Price	PG	PS*/ P. unit				
			1 item		Items				
	Sun sensor with 2-m connecting cable (extendable to 25 m) in combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions.	5TC1 526		024	1				
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