

Item	Qty	Description of products and services	Price per unit	Amount
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		<p>Blind/Roller Shutter Actuator with travel detection and manual operation, 4-fold, 24 V DC, MDRC</p> <p>To control up to 4 independent blind and roller shutter drives or ventilation flaps (24 V DC).</p> <ul style="list-style-type: none"> – Automatic travel detection via identification of end positions for each channel – Manual operation and displaying LEDs for each channel – Power supply only via KNX bus voltage <p>Software functionality</p> <ul style="list-style-type: none"> – Copy and change channels – Time-delayed switching of drives – Sending and switching delay after bus voltage recovery – Request status values via object – Limited number of telegrams – Preferred position on bus voltage failure-, recovery, programming and reset – Disable/enable manual operation, deactivation by time – Travel detection (automatically or triggered by object) or manual setting of travel times – Safety function (3 x wind alarm, rain alarm, frost alarm with cyclical monitoring, block and forced operation) and reaction on reset of safety function – Direct commands UP/DOWN, STOP/Slat Adjustment – Move to position height/slat 0...255 – Move to/set preset Position 1-4 and 8 bit scene – Dead times of blind/shutter adjustable – Tensioning function for e.g. awnings and slot positioning for roller shutters – Limited travel range (adjustable for direct and/or automatic commands) – Change on direction and delay times for drives adjustable – Automatic sun protection (position height/slat at sun) and sun tracking – Heating/cooling automatic with overheat control – Status messages: height/slat 0...255, upper/lower end position, operability, automatic, status information (2 Byte, including motor error) – Controlling ventilation flaps, switch mode with staircase lighting function <p>Outputs 4 (2 relay outputs UP/DOWN for each channel)</p> <p>Power consumption KNX < 250 mW</p> <p>Operating voltage 21...30 V DC via KNX</p> <p>U_N rated voltage max. 24V DC</p> <p>I_N rated current max. 6 A</p> <p>Operating and displaying elements 2 LEDs and push buttons for each channel</p> <p>Connection</p> <p>Outputs screw terminals with combination head screws</p> <p>KNX screwless bus connection terminal</p> <p>Type of protection IP 20, EN 60 529</p> <p>Approval EIB and KNX according to EN 50 090-1, -2</p> <p>Installation on 35 mm mounting rail, EN 60 715</p> <p>Width 4 Modules at 18 mm</p> <p>Manufacturer ABB STOTZ-KONTAKT</p> <p>Type JRA/S 4.24.5.1</p> <p>Material: Labour:</p>	Carry:	
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