

switching controlling counting



## Product overview

Our portfolio at a glance

SAVE TIME

ILLUMINATE

FEEL WELL

SMART HOME

KNX





We are here for you

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Family tradition since 1929

# Müller stands for innovation and quality

Hugo Müller founded the company "Omega-Müller" in 1929. Rooted in the industrial town of Schwenningen, Baden-Württemberg, the company began its journey with loudspeakers, headphones, and radio assembly kits.

In 1978, Hugo Müller made the transition to software-based products: the first time switch capable of being programmed for a year was introduced to the market. Its success was also virtually pre-programmed - the new product was exceptionally well received.

Today, in addition to intelligent time and light controls, our portfolio also includes room climate controllers, sensors, and devices for building automation.

Our goal for the future is to continuously optimize and expand the range of our standard products and to provide completely individual solutions for OEM products.

All **■ müller** products are manufactured  
in our company in Baden-Württemberg -  
100% Made in Germany





**Stronger together**

## Your partner for OEM

Hugo Müller is your partner whenever you need a customized electro-technical product. We manage the transition from your wishes and vague specifications to well-designed serial products.

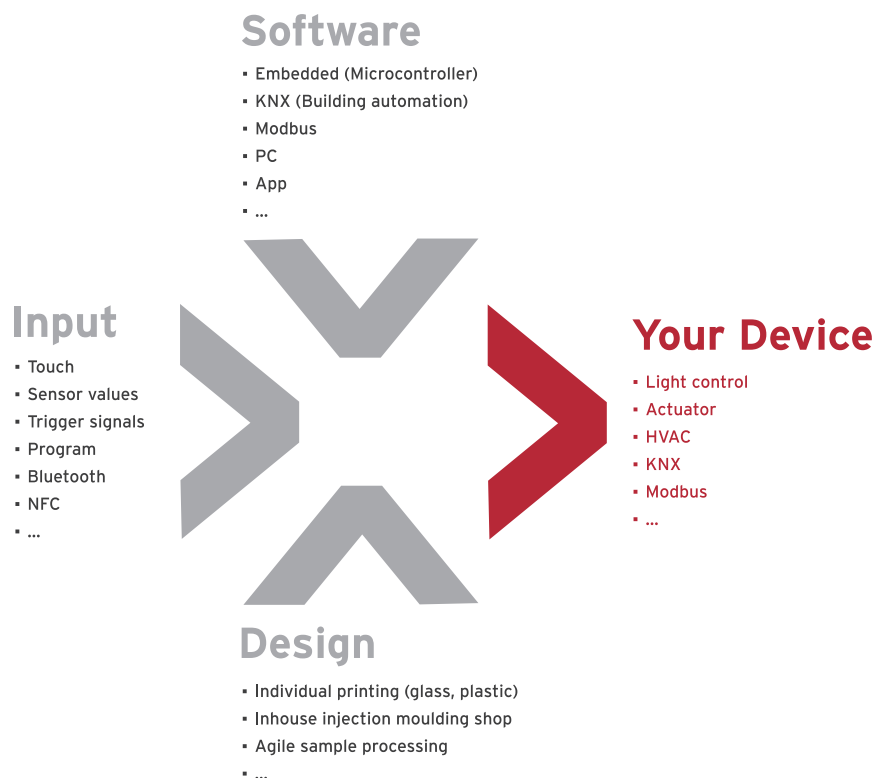
We turn your requirements into products ready for sale and offer all relevant tasks: from hardware and software development to prototypes and serial production.

All around the world, we make our partner highly satisfied with our OEM products and we want to continue to use our expertise to meet your requirements and fulfil your wishes.






For us, being your OEM partner means accepting full responsibility and to act accordingly. We want to understand the customer's point of view, by knowing the market requirements, followed by generating ideas and innovations, and finally developing, designing, and manufacturing products. We want to work hand in hand with you to achieve the best possible result.

We aim for long-term and personal partnerships with our customers. You can rely on high-quality results, an open approach, the highest quality "Made in Germany" and comprehensive service.

If you are looking for customized OEM solutions, you have come to the right partner.



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# Digital time switches week

Save time

	<p>■ <b>müller</b> SC 08.11 pro</p>	<p>■ <b>paladin</b> 172 110 pro</p>	<p>1 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily and weekly program</li> <li>■ DIN-rail mounting 17,5 mm</li> <li>■ 46 memory locations / PC-programmable</li> <li>■ Removable programming module</li> </ul>
	<p>■ <b>müller</b> SC 18.10 easy SC 18.20 easy</p>	<p>■ <b>paladin</b> 170 410 easy 170 420 easy</p>	<p>1 channel version 2 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily and weekly program / Program by date</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 56 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> <li>■ Exchangeable battery</li> </ul>
	<p>■ <b>müller</b> SC 28.11 pro4 SC 28.21 pro4</p>	<p>■ <b>paladin</b> 172 411 pro4 172 421 pro4</p>	<p>1 channel version 2 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily and weekly program / Program by date</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 100 memory locations / Programmable via app</li> <li>■ Zero-crossing, LED up to 600 W</li> <li>■ Exchangeable battery</li> </ul>
	<p>■ <b>müller</b> SC 88.10 pro4 SC 88.20 pro4 SC 88.30 pro4 SC 88.40 pro4</p>		<p>1 channel version 2 channel version 3 channel version 4 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily, weekly or astro program / Program by date</li> <li>■ DIN-rail mounting 70 mm</li> <li>■ 300 memory locations / Programmable via app</li> <li>■ DCF / GPS function</li> <li>■ Exchangeable battery</li> </ul>
	<p>■ <b>müller</b> SC 24.10 pro</p>		<p>1 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily and weekly program</li> <li>■ Switchboard panel</li> <li>■ Front 48 x 48 mm</li> <li>■ 46 memory locations</li> <li>■ External input</li> </ul>
	<p>■ <b>müller</b> SC 44.11 pro4 SC 44.21 pro4</p>		<p>1 channel version 2 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily, weekly or astro program / Program by date</li> <li>■ Switchboard panel and wall mounting</li> <li>■ 300 memory locations / Programmable via app</li> </ul>
		<p>■ <b>paladin</b> 173 110 easy</p>	<p>1 channel version</p>	<ul style="list-style-type: none"> <li>■ Daily and weekly program</li> <li>■ Flush-mounted fitting</li> <li>■ 56 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> </ul>
	<p>■ <b>müller</b> EA 36.22 pro4</p>		<p>Universal controller 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> <li>■ Timer function with advance warning</li> </ul>

## Digital time switches astro

	<p>■ <b>müller</b> SC 08.13 pro</p>	<p>■ <b>paladin</b> 172 113 pro</p>	1 channel version	<ul style="list-style-type: none"> <li>■ Astro program</li> <li>■ Daily and weekly program</li> <li>■ DIN-rail mounting 17,5 mm</li> <li>■ 60 memory locations / PC-programmable</li> <li>■ Removable programming module</li> </ul>
NFC 	<p>■ <b>müller</b> SC 18.13 easy</p>	<p>■ <b>paladin</b> 170 413 easy</p>	1 channel version	<ul style="list-style-type: none"> <li>■ Astro-daily-program</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 4 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> <li>■ Exchangeable battery</li> </ul>
NFC 	<p>■ <b>müller</b> SC 18.14 easy SC 18.24 easy</p>	<p>■ <b>paladin</b> 170 414 easy 170 424 easy</p>	1 channel version 2 channel version	<ul style="list-style-type: none"> <li>■ Astro program</li> <li>■ Daily and weekly program</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 56 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> <li>■ Exchangeable battery</li> </ul>
	<p>■ <b>müller</b> SC 28.13 pro4 SC 28.23 pro4</p>	<p>■ <b>paladin</b> 172 413 pro4 172 423 pro4</p>	1 channel version 2 channel version	<ul style="list-style-type: none"> <li>■ Astro program</li> <li>■ Daily and weekly program</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 100 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> <li>■ Exchangeable battery</li> </ul>
NFC 		<p>■ <b>paladin</b> 173 113 easy</p>	1 channel version	<ul style="list-style-type: none"> <li>■ Astro program</li> <li>■ Daily and weekly program</li> <li>■ Flush-mounted fitting</li> <li>■ 56 memory locations / Programmable via app</li> <li>■ Ideal for modern lamps (LED)</li> </ul>
	<p>■ <b>müller</b> EA 36.22 pro4</p>		<p>Universal controller 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> <li>■ Timer function with advance warning</li> </ul>

## Digital time switches year

	<p>■ <b>müller</b> SC 28.19 pro</p>		1 channel version	<ul style="list-style-type: none"> <li>■ Daily, weekly and yearly program</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 300 memory locations</li> <li>■ Programmable via PC / Data-key</li> <li>■ DCF / GPS function</li> </ul>
	<p>■ <b>müller</b> SC 98.10 pro4 SC 98.20 pro4 SC 98.30 pro4 SC 98.40 pro4</p>		1 channel version 2 channel version 3 channel version 4 channel version	<ul style="list-style-type: none"> <li>■ Daily, weekly or astro program / Yearly program</li> <li>■ DIN-rail mounting 70 mm</li> <li>■ 300 memory locations / Programmable via app</li> <li>■ DCF / GPS function</li> <li>■ Exchangeable battery</li> </ul>




# Masterclocks

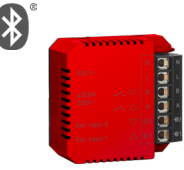
	<p><b>■ müller</b> SC 58.07 pro</p> <p>1 slaveclock line</p>	<ul style="list-style-type: none"> <li>■ Master clock</li> <li>■ DCF / GPS function</li> <li>■ Approx. 5 slave clocks</li> <li>■ Security by PIN-code</li> </ul>
	<p><b>■ müller</b> SC 58.08 pro</p> <p>1 slaveclock line</p>	<ul style="list-style-type: none"> <li>■ Master clock</li> <li>■ Suitable for church clocks</li> <li>■ DCF / GPS function</li> <li>■ Security by PIN-code</li> </ul>
	<p><b>■ müller</b> SC 58.17 pro</p> <p>1 slaveclock line 1 channel</p>	<ul style="list-style-type: none"> <li>■ Master clock and digital time switch week</li> <li>■ 300 memory locations</li> <li>■ DCF / GPS function</li> <li>■ Approx. 20 slave clocks</li> <li>■ Security by PIN-code</li> </ul>
	<p><b>■ müller</b> SC 98.47 pro</p> <p>1 slaveclock line 4 channels</p>	<ul style="list-style-type: none"> <li>■ Master clock and digital time switch year</li> <li>■ 300 memory locations</li> <li>■ DCF / GPS function</li> <li>■ Approx. 40 slave clocks</li> <li>■ Security by PIN-code</li> </ul>
	<p><b>■ müller</b> SC 93.47 pro</p> <p>1 slaveclock line 4 channels</p>	<ul style="list-style-type: none"> <li>■ Master clock and digital time switch year</li> <li>■ 19"-housing</li> <li>■ 300 memory locations</li> <li>■ DCF / GPS function</li> <li>■ Approx. 200 slave clocks</li> <li>■ Security by PIN-code</li> </ul>
	<p><b>■ müller</b> SC 95.47 pro</p> <p>1 slaveclock line 4 channels</p>	<ul style="list-style-type: none"> <li>■ Master clock and digital time switch year</li> <li>■ 19"-housing</li> <li>■ 300 memory locations</li> <li>■ DCF / GPS function</li> <li>■ Approx. 200 slave clocks</li> <li>■ Security by PIN-code</li> </ul>



## Analogue time switches

	<p>■ <b>müller</b></p> <p>VS 10.18 VS 14.18</p>	<p>■ <b>paladin</b></p> <p>111 120 114 120</p> <p>Day without reserve Day with reserve</p>	<ul style="list-style-type: none"> <li>■ Daily program</li> <li>■ DIN-rail mounting 17,5 mm</li> <li>■ Captive setting keys</li> <li>■ Manual override switch</li> <li>Permanent ON / Permanent OFF / AUTO</li> </ul>
	<p>■ <b>müller</b></p> <p>VS 20.18 VS 24.18</p>	<p>■ <b>paladin</b></p> <p>151 220 154 220</p> <p>Day without reserve Day with reserve</p>	<ul style="list-style-type: none"> <li>■ Daily program</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ Captive setting keys</li> <li>■ Manual override switch</li> <li>Permanent ON / Permanent OFF / AUTO</li> </ul>
	<p>■ <b>müller</b></p> <p>VS 30.18 VS 34.18</p>	<p>■ <b>paladin</b></p> <p>131 120 134 120</p> <p>Day without reserve Day with reserve</p>	<ul style="list-style-type: none"> <li>■ Daily program</li> <li>■ DIN-rail mounting 52,5 mm</li> <li>■ Wall mounting</li> <li>■ Captive setting keys</li> <li>■ Manual override switch</li> <li>Permanent ON / Permanent OFF / AUTO</li> </ul>
	<p>■ <b>müller</b></p> <p>FS 60.18 FS 64.18 FS 60.38 FS 64.38</p>	<p>■ <b>paladin</b></p> <p>161 120 164 120 161 420 164 420</p> <p>Day without reserve Day with reserve Week without reserve Week with reserve</p>	<ul style="list-style-type: none"> <li>■ Daily / Weekly program</li> <li>■ Wall mounting</li> <li>■ Switchboard panel</li> <li>■ Captive setting keys</li> <li>■ Manual override switch</li> <li>Permanent ON / Permanent OFF / AUTO</li> </ul>

## Blind controllers

	<p>■ <b>müller</b></p> <p>EA 36.22 pro4</p>	<p>Universal controller 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> <li>■ Timer function with advance warning</li> </ul>
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## Elapsed time counters

Save time


	<p>■ <b>müller</b> BG 30.18 BW 30.18</p> <p>DC / Front 53 x 28 mm AC / Front 53 x 28 mm</p>	<ul style="list-style-type: none"> <li>■ Switchboard panel</li> <li>■ Integral locking spring</li> <li>■ With universal connections</li> <li>■ Mounting aperture: 50 x 25 mm</li> <li>■ With operation indicator</li> </ul>
	<p>■ <b>müller</b> BG 40.17 BW 40.18 BG 40.27 BW 40.28 BG 40.37 BW 40.38</p> <p>DC / Front 48 x 48 mm AC / Front 48 x 48 mm DC / Front 55 x 55 mm AC / Front 55 x 55 mm DC / Front 72 x 72 mm AC / Front 72 x 72 mm</p>	<ul style="list-style-type: none"> <li>■ Switchboard panel</li> <li>■ With retaining clip</li> <li>■ With universal connections</li> <li>■ Mounting aperture square: 45x45mm / circle: 50,5mm</li> <li>■ With operation indicator</li> </ul>
	<p>■ <b>müller</b> BG 70.18 BW 70.18</p> <p>DC AC</p>	<ul style="list-style-type: none"> <li>■ DIN-rail mounting 17,5 mm</li> <li>■ No terminal cover</li> <li>■ Screw terminals (pull-up type)</li> <li>■ Touch proof connections</li> <li>■ With operation indicator</li> </ul>
	<p>■ <b>müller</b> BG 70.29 BW 70.29 BG 70.89 BW 70.89</p> <p>DC / without terminal cover AC / without terminal cover DC / with terminal cover AC / with terminal cover</p>	<ul style="list-style-type: none"> <li>■ DIN-rail mounting 35 mm</li> <li>■ With or without terminal cover</li> <li>■ Screw terminals (pull-up type)</li> <li>■ Touch proof connections</li> <li>■ With operation indicator</li> </ul>

## Count down timers / Relays

	<p>■ <b>müller</b> TC 14.21 TC 24.21</p> <p>9:59:59 hh:mm:ss 99:59:59 hh:mm:ss</p>	<ul style="list-style-type: none"> <li>■ Timer</li> <li>■ Panel mounting</li> <li>■ Front 48 x 48 mm</li> <li>■ 1 change-over relay</li> <li>■ Repeatability accuracy 100%</li> <li>■ Inputs for START / STOP</li> </ul>
	<p>■ <b>müller</b> MR 28.10 pro</p> <p>999:59:59:59 hhh:mm:ss:1/10s</p>	<ul style="list-style-type: none"> <li>■ Digital multifunctional relay</li> <li>■ DIN-rail mounting 35 mm</li> <li>■ 1 channel (CO)</li> <li>■ 20 functions</li> <li>■ External input</li> </ul>
	<p>■ <b>müller</b> EA 36.22 pro4</p> <p>Universal controller 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> <li>■ Timer function with advance warning</li> </ul>

# Accessories


	<p><b>müller</b> DK pro</p> <p>Data-key</p>	<ul style="list-style-type: none"> <li>Data-key for Programming Package PP 50.00 pro</li> <li>Accessory for pro-devices and SC 98.40 knx</li> <li>Convenient programming of switching times on the PC</li> </ul>
	<p><b>müller</b> PP 50.00 pro</p> <p>Programming Package USB</p>	<ul style="list-style-type: none"> <li>Programming Package Save 'n carry</li> <li>Accessory for pro-devices and SC 98.40 knx</li> <li>Convenient programming of switching times on the PC</li> <li>Data download from key to PC, modification of data and upload to key</li> <li>Switching programs can be archived on the PC</li> </ul>
	<p><b>müller</b> FU 20.00 pro FU 30.00 pro</p> <p>DCF-time GPS-time</p>	<ul style="list-style-type: none"> <li>Radio receiver</li> <li>FU 20.00 pro: 2-wire-connection FU 30.00 pro: 3-wire-connection</li> <li>Accessory for time switches and master clocks</li> <li>Time and date are automatically transferred to the time switch</li> </ul>

	<p>Trim 55x55 for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 190.003</p>		<p>Self-adhesive seal for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 101.001</p>
	<p>Mask 72x72 for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 190.004</p>		<p>IP54-seal for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 101.003</p>
	<p>Mask Ø 72 (installation Ø 60) for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 190.008</p>		<p>Retaining clip for Bx 40 / TC x4 / SC 24.10 pro</p> <p>Order number 715.003</p>




	<p>Terminal Cover for Bx 29</p> <p>Order number 003.008 (black) Order number 003.010 (white)</p>		<p>Retaining clip for Bx 30</p> <p>Order number 715.005</p>
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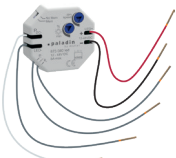
## Staircase lighting timers

	<b>paladin</b>			<ul style="list-style-type: none"> <li>Staircase lighting timer</li> <li>Electronic</li> <li>DIN-rail mounting 17,5 mm</li> <li>3- or 4-conductor rising mains</li> <li>Zero-cross switching</li> <li>Resettable</li> </ul>
	284 210	Without advance warning		
	284 250	With advance warning		

## Twilight switches

	<b>paladin</b>			<ul style="list-style-type: none"> <li>Digitale twilight switch</li> <li>With daily program</li> <li>DIN-rail mounting 35 mm</li> <li>Programmable via app</li> <li>Ideal for modern lamps (LED)</li> <li>Exchangeable battery</li> </ul>
	972 413 easy	1 channel version		
	<b>paladin</b>			<ul style="list-style-type: none"> <li>Analogue twilight switch</li> <li>Wall mounting</li> <li>Ideal for modern lamps (LED)</li> </ul>
	922 000	1 channel version		
	<b>paladin</b>			<ul style="list-style-type: none"> <li>Analogue twilight switch</li> <li>DIN-rail mounting 17,5 mm</li> <li>Zero-cross switching</li> <li>Ideal for modern lamps (LED)</li> </ul>
	923 500	1 channel version sensor for wall mounting		

## Dimmers

	<b>paladin</b>			<ul style="list-style-type: none"> <li>RLC dimmer</li> <li>Flush-mounted fitting</li> <li>Dimensions: 46 x 42 x 13 mm</li> <li>Load 15 - 400 W</li> <li>Memory function</li> <li>With litz wires</li> </ul>
	873 010 rlc	for RLC loads		
	<b>paladin</b>			<ul style="list-style-type: none"> <li>LED dimmer</li> <li>Flush-mounted fitting</li> <li>Dimensions: 46 x 42 x 13 mm</li> <li>Load 4 - 100 W / 350 W</li> <li>Memory function</li> <li>With litz wires</li> </ul>
	873 030 led	for LED loads		
	<b>paladin</b>			<ul style="list-style-type: none"> <li>LED dimmer without N-wire</li> <li>Flush-mounted fitting</li> <li>Dimensions: 46 x 42 x 13 mm</li> <li>Load 4 - 80 W / 200 W</li> <li>Memory function</li> <li>With litz wires</li> </ul>
	873 031 led	for LED loads without neutral wire		
	<b>paladin</b>			<ul style="list-style-type: none"> <li>LED-strips dimmer</li> <li>Flush-mounted fitting</li> <li>Dimensions: 46 x 42 x 13 mm</li> <li>LED-strips 8 A</li> <li>Memory function</li> <li>With litz wires</li> </ul>
	873 040 led	for LED-strips		




## Dimmers



	<p><b>paladin</b> 872 110 led for LED loads</p>	<ul style="list-style-type: none"> <li>LED dimmer / Universal dimmer</li> <li>DIN-rail mounting 17,5 mm</li> <li>LED Load 4 - 80 VA</li> <li>Memory function</li> <li>Master-slave-function</li> </ul>
	<p><b>paladin</b> 879 410 led for dimmable LEDs</p>	<ul style="list-style-type: none"> <li>TRIAC dimmer for LED lamps</li> <li>DIN-rail mounting 87,5 mm</li> <li>Dimmable LEDs 4 - 1.200 W</li> <li>Memory function</li> <li>Master-slave-function</li> </ul>




## Astro dimmers

	<p><b>paladin</b> 872 413 pro4 LED dimmer</p>	<ul style="list-style-type: none"> <li>LED dimmer</li> <li>Astro function</li> <li>DIN-rail mounting 35 mm</li> <li>LED loads 4 - 150 W / trailing edge dimming</li> <li>100 memory locations / Programmable via app</li> </ul>
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## Smart Bluetooth dimmers

	<p><b>müller</b> EA 26.11 pro4 LED dimmer mini</p>	<ul style="list-style-type: none"> <li>LED-dimmer with astro function</li> <li>Flush-mounted fitting</li> <li>LED-loads 4 - 150 W / trailing edge dimming</li> <li>Remote control via Bluetooth mesh / gateway</li> <li>Programmable and controllable via App</li> </ul>
	<p><b>müller</b> EA 27.11 pro4 LED-strip dimmer mini</p>	<ul style="list-style-type: none"> <li>LED-dimmer with astro function</li> <li>Flush-mounted fitting</li> <li>LED strips (12-24 V DC) 4 A / pulse width modulation</li> <li>Remote control via Bluetooth mesh / gateway</li> <li>Programmable and controllable via App</li> </ul>
	<p><b>müller</b> EA 66.11 pro4 LED dimmer</p>	<ul style="list-style-type: none"> <li>LED-dimmer with astro function</li> <li>Flush-mounted fitting</li> <li>LED-Last 4 - 150 W / trailing edge dimming</li> <li>Remote control via Bluetooth mesh / gateway</li> <li>Programmable and controllable via App</li> </ul>
	<p><b>müller</b> EA 76.10 pro4 Touch LED dimmer</p>	<ul style="list-style-type: none"> <li>LED-dimmer with astro function</li> <li>Flush-mounted fitting</li> <li>LED-Last 4 - 150 W / trailing edge dimming</li> <li>Remote control via Bluetooth mesh / gateway</li> <li>Programmable and controllable via App</li> </ul>


## 0-10V sensors

	<p>■ <b>müller</b> TS 30.00 pro</p> <p>Room temperature sensor</p>	<ul style="list-style-type: none"> <li>■ Temperature sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Control output (0 - 10 V)</li> </ul>
	<p>■ <b>müller</b> GS 30.00 pro</p> <p>Room temperature sensor &amp; rel. humidity sensor</p>	<ul style="list-style-type: none"> <li>■ Temperature, humidity and atmospheric pressure sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ 2 control outputs (0 - 10 V)</li> </ul>
	<p>■ <b>müller</b> GS 40.00 pro</p> <p>CO<sub>2</sub>-air quality sensor &amp; room climate sensor</p>	<ul style="list-style-type: none"> <li>■ CO<sub>2</sub>, temperature, humidity and atmospheric pressure sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ 3 control outputs (0 - 10 V)</li> </ul>

## Modbus sensors

	<p>■ <b>müller</b> TS 30.00 mod</p> <p>Room temperature sensor</p>	<ul style="list-style-type: none"> <li>■ Temperature sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Modbus ASCII and RTU</li> </ul>
	<p>■ <b>müller</b> GS 30.00 mod</p> <p>Room temperature sensor &amp; rel. humidity sensor</p>	<ul style="list-style-type: none"> <li>■ Temperature, humidity and atmospheric pressure sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Modbus ASCII and RTU</li> </ul>
	<p>■ <b>müller</b> GS 40.00 mod</p> <p>CO<sub>2</sub>-air quality sensor &amp; room climate sensor</p>	<ul style="list-style-type: none"> <li>■ CO<sub>2</sub>, temperature, humidity and atmospheric pressure sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Modbus ASCII und RTU</li> </ul>

Air quality sensors / CO<sub>2</sub>-monitor

	<p>■ <b>müller</b> GS 42.00 pro</p> <p>GS 42.01 pro</p> <p>CO<sub>2</sub>-monitor with power supply for flush-mounting</p> <p>CO<sub>2</sub>-monitor with power supply with Europlug / wall plug incl. back part 2</p>	<ul style="list-style-type: none"> <li>■ Air quality sensor / CO<sub>2</sub>-monitor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ CO<sub>2</sub> sensor</li> <li>■ Maintenance-free through self-calibration</li> <li>■ Mute function</li> <li>■ 3 open collector outputs</li> </ul>
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## puck your home

The intelligent solution for creating smart rooms and buildings, which is suitable for new buildings, renovation projects as well as for simple retrofit solutions in existing buildings.



The mi.puck App  
for setting up  
and operating the  
mi.puck devices



- ✓ Dimming and switching lights
- ✓ Control of shutters and blinds, time- and light-dependent
- ✓ Control the room temperature
- ✓ Switching electrical loads on and off



### Set times

With the integrated astro and weekly timer, flexible programs can be created for each mi.puck.



### BT-Mesh network

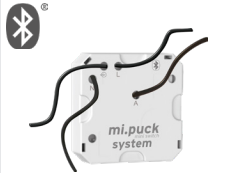


The devices form a Bluetooth mesh, ensuring connectivity that is reliable even without cabling.




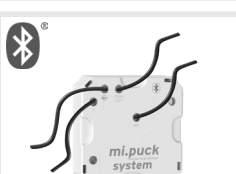

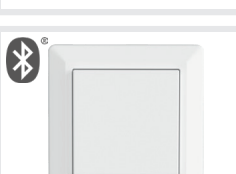
### Flexible access

You can control the system via a switch, push-button or the app and access it from anywhere using the gateway.

## mi.puck switches

	<p>■ <b>müller</b> EA 16.11 pro4</p>	<p>Multifunctional device 1 channel 1 input mini</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Clock thermostat / hygrosstat (with LS 20.00 pro4)</li> <li>■ Flush-mounted fitting</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>
	<p>■ <b>müller</b> EA 46.13 pro4</p>	<p>Multifunctional device 1 channels 1 inputs 1 temperature sensor (incl. TF 16)</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Clock thermostat (with TF 06 (floor) / TF 16 (room))</li> <li>■ Clock thermostat / hygrosstat (with LS 20.00 pro4)</li> <li>■ 16 A switching capacity</li> <li>■ Flush-mounted fitting</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>
	<p>■ <b>müller</b> EA 46.22 pro4</p>	<p>Multifunctional device 2 channels 2 inputs</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Clock thermostat / hygrosstat (with LS 20.00 pro4)</li> <li>■ Flush-mounted fitting</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>


## mi.puck dimmers

	<p>■ <b>müller</b> EA 26.11 pro4</p>	<p>LED-dimmer mini</p>	<ul style="list-style-type: none"> <li>■ LED-dimmer with astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>
	<p>■ <b>müller</b> EA 27.11 pro4</p>	<p>LED-strip dimmer mini</p>	<ul style="list-style-type: none"> <li>■ LED-dimmer with astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED strips (12 - 24 V DC ) 4 A / pulse width modulation</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>
	<p>■ <b>müller</b> EA 66.11 pro4</p>	<p>LED-dimmer</p>	<ul style="list-style-type: none"> <li>■ LED-dimmer with astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>
	<p>■ <b>müller</b> EA 76.10 pro4</p>	<p>Touch LED-dimmer</p>	<ul style="list-style-type: none"> <li>■ Touch LED-dimmer with astro function</li> <li>■ Flush-mounted fitting / fits into 55 x 55 mm switch design</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ Remote control via Bluetooth mesh / gateway</li> </ul>



## mi.puck sensor






	<p>■ <b>müller</b> LS 20.00 pro4</p> <p>Multisensor</p>	<ul style="list-style-type: none"> <li>■ Light / brightness, temperature and rel. humidity sensor</li> <li>■ Suitable for: EA 16.11 pro4, EA 46.13 pro4 und EA 46.22 pro4</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ Compact housing</li> </ul>
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## mi.puck accessories

	<p>■ <b>müller</b> TF 06 TF 16</p> <p>sensor / probe 4 m sensor / probe 20 cm</p>	<ul style="list-style-type: none"> <li>■ External temperature sensor</li> <li>■ Measuring range: -15...+70°C</li> <li>■ Cable length: 4 m / 20 cm</li> <li>■ Suitable for: EA 46.13 pro4</li> </ul>
	<p>■ <b>müller</b> 200.001</p> <p>Mounting plate for wall box</p>	<ul style="list-style-type: none"> <li>■ Suitable for LS 20.00 pro4</li> </ul>
	<p>200.002</p> <p>Mounting angle for outdoor installation</p>	<ul style="list-style-type: none"> <li>■ Suitable for LS 20.00 pro4</li> <li>■ Wall mounting</li> </ul>
	<p>mi.puck App</p> <p>Free download</p>	<ul style="list-style-type: none"> <li>■ App to control the mi.puck devices remotely</li> <li>■ Creating a network with Bluetooth mesh</li> <li>■ Integrated gateway function</li> </ul>



## KNX Audio Interface

	<p>■ <b>müller</b> AS 10.00 knx</p> <p>Buzzer</p>	<ul style="list-style-type: none"> <li>■ Buzzer</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ Compact housing</li> <li>■ 3 volume levels</li> <li>■ Adjustable sequence</li> </ul>
	<p>■ <b>müller</b> AS 26.01 knx AS 26.11 knx</p> <p>Chime interface without loudspeaker Chime interface with loudspeaker (LA 06.10)</p>	<ul style="list-style-type: none"> <li>■ Chime interface</li> <li>■ Flush-mounted fitting</li> <li>■ 12 melodies selectable</li> <li>■ Adjustable sound level</li> <li>■ External loudspeaker</li> <li>■ 1 binary input</li> </ul>
	<p>■ <b>müller</b> AS 36.03 knx AS 36.13 knx</p> <p>Audio interface without loudspeaker Audio interface with loudspeaker (LA 06.10)</p>	<ul style="list-style-type: none"> <li>■ Audio interface</li> <li>■ Flush-mounted fitting</li> <li>■ 6 individual MP3-files, 12 pre-defined melodies</li> <li>■ Adjustable sound level</li> <li>■ External loudspeaker</li> <li>■ 3 binary inputs</li> </ul>






## KNX Room temperature controllers

	<p>■ <b>müller</b> TS 10.00 knx</p> <p>Room temperature controller</p>	<ul style="list-style-type: none"> <li>■ Room temperature controller</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ Compact housing</li> <li>■ Temperature sensor</li> </ul>
	<p>■ <b>müller</b> TS 30.11 knx TS 31.11 knx</p> <p>Room temperature controller Room temperature controller with manual set-point temperature adjustment</p>	<ul style="list-style-type: none"> <li>■ Room temperature controller</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Temperature sensor</li> <li>■ 5 binary and analogue inputs</li> <li>■ TS 31.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>
	<p>■ <b>müller</b> TS 37.11 knx TS 38.11 knx</p> <p>Room temperature controller Room temperature controller with manual set-point temperature adjustment</p>	<ul style="list-style-type: none"> <li>■ Room temperature controller</li> <li>■ Flush-mounted fitting / fits into 55 x 55 mm switch design</li> <li>■ Temperature sensor</li> <li>■ 5 binary and analogue inputs</li> <li>■ TS 38.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>




# KNX Humidity controllers

	<p>■ <b>müller</b> GS 10.00 knx</p> <p>Room temperature controller &amp; hygrostat</p>	<ul style="list-style-type: none"> <li>■ Room temperature controller and hygrostat</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ Compact housing</li> <li>■ Temperature, humidity and atmospheric pressure sensor</li> </ul>
	<p>■ <b>müller</b> GS 30.11 knx GS 31.11 knx</p> <p>Room temperature controller &amp; hygrostat</p> <p>Room temp. controller &amp; hygrostat with manual set-point temperature adjustment</p>	<ul style="list-style-type: none"> <li>■ Room temperature controller and hygrostat</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ Temperature, humidity and atmospheric pressure sensor</li> <li>■ 5 binary and analogue inputs</li> <li>■ GS 31.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>



# KNX Air quality controllers

 <p>VOC</p>	<p>■ <b>müller</b> GS 20.00 knx</p> <p>VOC-air quality sensor / controller</p>	<ul style="list-style-type: none"> <li>■ Air quality sensor and controller</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ VOC, temperature, humidity and atmospheric pressure sensor</li> </ul>
 <p>CO<sub>2</sub></p>	<p>■ <b>müller</b> GS 40.01 knx GS 41.01 knx</p> <p>CO<sub>2</sub>-air quality sensor / controller</p> <p>CO<sub>2</sub>-air quality sensor / controller with manual set-point temperature adjustment</p>	<ul style="list-style-type: none"> <li>■ Air quality sensor and controller</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ CO<sub>2</sub>, temperature, humidity and atmospheric pressure sensor</li> <li>■ GS 41.01 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>
 <p>CO<sub>2</sub></p>	<p>■ <b>müller</b> GS 40.11 knx GS 41.11 knx</p> <p>CO<sub>2</sub>-air quality sensor / controller</p> <p>CO<sub>2</sub>-air quality sensor / controller with manual set-point temperature adjustment</p>	<ul style="list-style-type: none"> <li>■ Air quality sensor and controller</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> <li>■ CO<sub>2</sub>, temperature, humidity and atmospheric pressure sensor</li> <li>■ 5 binary and analogue inputs</li> <li>■ GS 41.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>
 <p>CO<sub>2</sub></p>	<p>■ <b>müller</b> GS 47.11 knx GS 48.11 knx</p> <p>CO<sub>2</sub>-air quality sensor &amp; controller</p> <p>CO<sub>2</sub>-air quality sensor &amp; controller with manual set-point temperature adjustment &amp; CO<sub>2</sub>/rH-monitor</p>	<ul style="list-style-type: none"> <li>■ Air quality sensor and controller</li> <li>■ Flush-mounted fitting / fits into 55 x 55 mm switch design</li> <li>■ CO<sub>2</sub>, temperature, humidity and atmospheric pressure sensor</li> <li>■ 5 binary and analogue inputs</li> <li>■ GS 48.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>
 <p>PM<sub>2.5</sub></p>	<p>■ <b>müller</b> GS 70.00 knx</p> <p>Particulate matter sensor &amp; air quality controller</p>	<ul style="list-style-type: none"> <li>■ Particulate matter sensor and air quality controller</li> <li>■ VOC sensor</li> <li>■ Temperature, humidity and atmospheric pressure sensor</li> <li>■ Wall mounting / modern and planar design / 80 x 80 mm</li> </ul>

## KNX Outdoor sensors





	<p>■ <b>müller</b> LS 20.00 knx</p> <p>Light / brightness sensor</p>	<ul style="list-style-type: none"> <li>■ Light / brightness sensor</li> <li>■ Wall mounting (IP54)</li> <li>■ Lighting control</li> <li>■ Twilight switch with daily program</li> <li>■ Daily time switch</li> <li>■ Compact housing</li> </ul>
	<p>■ <b>müller</b> LS 30.00 knx</p> <p>Light / brightness &amp; temperature sensor</p>	<ul style="list-style-type: none"> <li>■ Light / brightness and temperature sensor</li> <li>■ Wall mounting (IP54)</li> <li>■ Lighting and temperature control</li> <li>■ Twilight switch with daily program</li> <li>■ Daily time switch</li> <li>■ Compact housing</li> </ul>
	<p>■ <b>müller</b> FU 40.00 knx</p> <p>GPS sensor station with Light / brightness &amp; temperature sensor</p>	<ul style="list-style-type: none"> <li>■ GPS sensor station</li> <li>■ Wall mounting (IP54)</li> <li>■ Lighting and temperature control</li> <li>■ Twilight switch with daily program</li> <li>■ Daily &amp; astronomic time switch</li> <li>■ Provides time base to KNX-Bus</li> </ul>

## Further KNX-TP products






	<p>■ <b>müller</b> EA 36.32 knx</p> <p>Universal interface with 3 inputs, 2 outputs &amp; integrated room temperature controller</p>	<ul style="list-style-type: none"> <li>■ Universal interface for building automation KNX</li> <li>■ Flush-mounted fitting</li> <li>■ 3 configurable inputs</li> <li>■ 2 binary outputs (LED / open collector)</li> <li>■ Integrated room temperature controller</li> <li>■ External temperature sensor available</li> </ul>
	<p>■ <b>müller</b> SC 98.40 knx</p> <p>Digital yearly time switch 4 channels</p>	<ul style="list-style-type: none"> <li>■ Yearly time switch for building automation KNX</li> <li>■ DIN-rail mounting 70 mm</li> <li>■ 4 channels / 300 memory locations</li> <li>■ PC-programmable</li> <li>■ Data key function</li> <li>■ DCF / GPS function</li> </ul>







# KNX-RF switching actuators

 	<p>■ <b>paladin</b> 683 730 rfs</p> <p>Switching actuator 1 channel</p>	<ul style="list-style-type: none"> <li>■ Switching actuator 1 channel</li> <li>■ Flush-mounted fitting</li> <li>■ Switching capacity: 16 A / 250 V</li> <li>■ Functions: switch, timer, staircase lighting timer</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>
 	<p>■ <b>paladin</b> 683 732 rfs</p> <p>Switching actuator / shutter actuator 2 channels</p>	<ul style="list-style-type: none"> <li>■ Switching actuator 2 channel / shutter actuator</li> <li>■ Flush-mounted fitting</li> <li>■ Switching capacity: 16 A / 250 V</li> <li>■ Functions: shutter- / blind control</li> <li>■ External pushbutton input</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>


## KNX-RF dimmers

 	<p>■ <b>paladin</b> 683 830 rfs</p> <p>for RLC / LED loads</p>	<ul style="list-style-type: none"> <li>■ RLC / LED dimmer</li> <li>■ Flush-mounted fitting</li> <li>■ Load 4 - 250 W</li> <li>■ Leading- / trailing edge dimming</li> <li>■ Additional connection for wired push-buttons</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>
 	<p>■ <b>paladin</b> 683 831 rfs</p> <p>for LED-strips</p>	<ul style="list-style-type: none"> <li>■ LED-strip dimmer</li> <li>■ Flush-mounted fitting</li> <li>■ LED strips up to 8 A</li> <li>■ LED strips 12 - 48 V DC</li> <li>■ Pulse width modulation (PWM)</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>
 	<p>■ <b>paladin</b> 683 834 rfs</p> <p>for DALI ballasts</p>	<ul style="list-style-type: none"> <li>■ DALI dimmer / gateway</li> <li>■ Flush-mounted fitting</li> <li>■ 1 channel / 1 group</li> <li>■ Up to 64 drivers can be controlled</li> <li>■ Broadcasting communication</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>

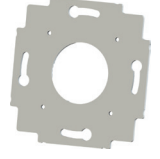

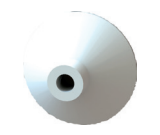

## KNX-RF sensors and transmitters

 	<p>■ <b>paladin</b> 683 010 rfs</p> <p>Pushbutton interface</p>	<ul style="list-style-type: none"> <li>■ Wireless pushbutton interface</li> <li>■ Build-in temperature sensor</li> <li>■ Flush-mounted fitting</li> <li>■ Input for max. 2 wired pushbuttons</li> <li>■ Battery operated (battery lifetime approx. 8 years)</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>
 	<p>■ <b>paladin</b> 686 312 rfs</p> <p>Multi sensor</p>	<ul style="list-style-type: none"> <li>■ Wireless sensor</li> <li>■ Temperature, light and humidity</li> <li>■ Wall mounting</li> <li>■ Transmission of sensor values via RF</li> <li>■ Battery operated (battery lifetime approx. 8 years)</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>
 	<p>■ <b>paladin</b> 686 410 rfs</p> <p>Door- / window contact sensor</p>	<ul style="list-style-type: none"> <li>■ Door- / window contact sensor</li> <li>■ Wall mounting</li> <li>■ Transmission of open / close status via RF</li> <li>■ Battery operated (battery lifetime approx. 12 years)</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>

## Accessories

	<p>■ <b>müller</b> LA 06.10</p> <p>Loudspeaker mini</p>	<ul style="list-style-type: none"> <li>■ Mini Loudspeaker for flush-mounting</li> <li>■ Nominal Impedance: 8 ohm</li> <li>■ Suitable for: AS 26.01 knx and AS 36.03 knx</li> </ul>
	<p>■ <b>müller</b> LA 16.10</p> <p>Loudspeaker</p>	<ul style="list-style-type: none"> <li>■ Loudspeaker for flush-mounting</li> <li>■ Nominal Impedance: 6 ohm</li> <li>■ Suitable for: AS 26.01 knx and AS 36.03 knx</li> </ul>
	<p>■ <b>müller</b> TF 06</p> <p>sensor / probe 4 m</p> <p>TF 16</p> <p>sensor / probe 20 cm</p>	<ul style="list-style-type: none"> <li>■ External temperature sensor</li> <li>■ Measuring range: -15...+70°C</li> <li>■ Cable length: 4 m / 20 cm</li> <li>■ Suitable for: EA 36.32 knx, TS 3x.10 knx, TS 3x.11 knx, GS 3x.10 knx, GS 3x.11 knx, GS 4x.10 knx, GS 4x.11 knx</li> </ul>
	<p>■ <b>paladin</b> 683 520 rfs</p> <p>Gateway KNX RF / TP</p>	<ul style="list-style-type: none"> <li>■ Gateway KNX RF / TP</li> <li>■ Flush-mounted fitting</li> <li>■ RF-repeater function</li> <li>■ KNX-RF 1.R S-Mode</li> </ul>

## Mounting accessories

	<p>Mounting plate for wall box suitable for 55 x 55 mm switch design products</p> <p>Order number 200.001</p>		<p>Mounting angle for outdoor installation IP X4 suitable for 55 x 55 mm wall mounting products</p> <p>Order number 200.002</p>
	<p>Vaccum cup suitable for 55 x 55 mm wall mounting products</p> <p>Order number 200.003</p>		<p>Back part for surface wiring suitable for 80 x 80 mm wall mounting products</p> <p>Order number 200.004</p>

 **müller**  
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