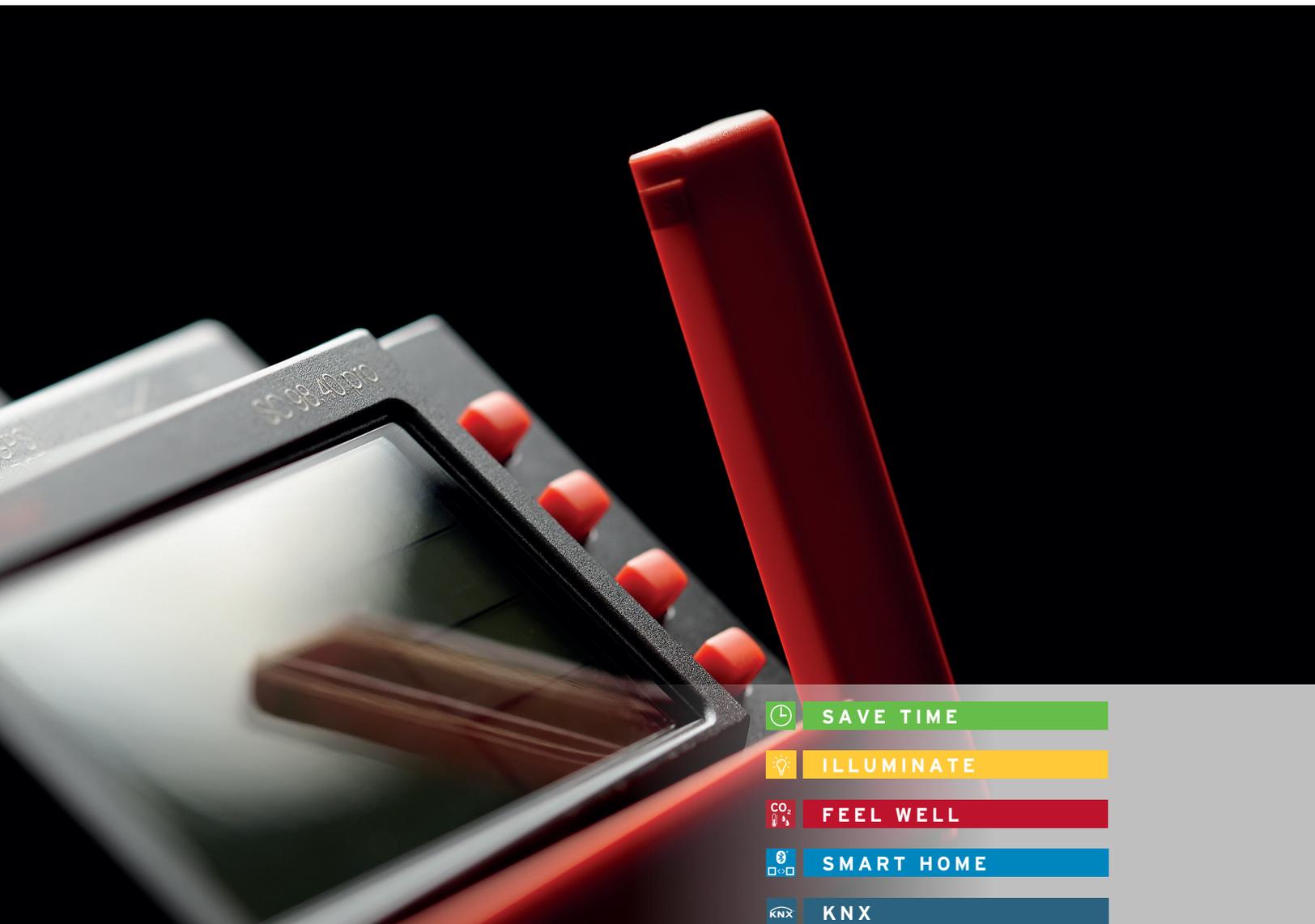


# ■ müller

switching controlling counting



-  SAVE TIME
-  ILLUMINATE
-  FEEL WELL
-  SMART HOME
-  KNX

Product overview

2023



## INNOVATIONAL SPIRIT FROM THE BLACK FOREST

1929 till this day ... and in the future.

The company was founded in 1929 by Hugo Müller. Within a very short time the innovative company had become well known in the locality as a manufacturer of high quality loudspeakers, headphones, radio assembly kits, radios and, some time later, radio time switches.

For Hugo Müller, the change to electronics occurred in 1978, when 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, time switches continue to be an important element of the product range, albeit with features which are subject to continuous improvement. This characteristic reflects the company's objective for the future. The consistent optimization and expansion of the standard product range, including tailor-made products to meet individual customers' specific needs.

Our product solution range includes timing devices such as analog and digital timers, master clocks, hour meters, count down timers and light control devices such as analog and digital twilight switches, astronomical time switches, staircase timers, dimmers and also devices for climate control and building automation (KNX).

### OEM

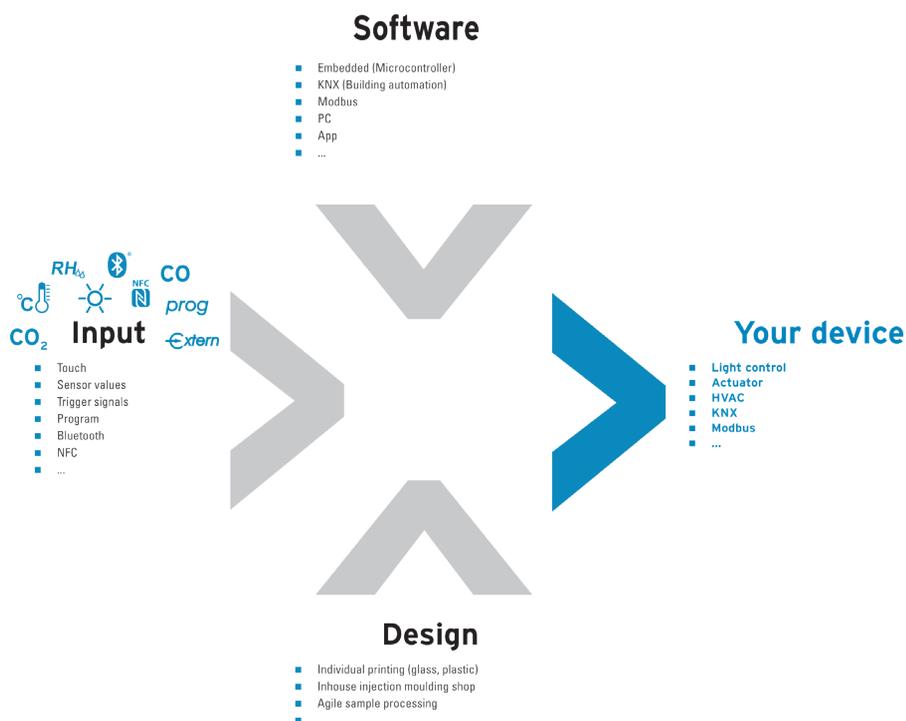
Hugo Müller is your partner whenever you need a customized electro-technical product. We manage the transition from your wishes and vague specifications to well-designed and sellable products.

Hard- and software development, prototyping and serial production are carried-out in our premises. This allows us to advise and support you through the complete development process. Our experts in development and production are efficiently realizing your ideas according to relevant laws, standards and directives. The products are produced with latest technologies and tested with self-made inspection devices. The quality of your product has highest priority.

All products are manufactured in Schwenningen - we offer quality „**Made in Germany**“.

Hugo Müller produces your control and switching devices for time, light, temperature or air quality applications.

For each single problem we'll find a solution. Please contact us, we're happy to talk to you.



## Product overview 2023



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	<p>■ müller SC 08.11 pro</p>	<p>■ paladin 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>NFC</p> 	<p>■ müller SC 18.10 easy SC 18.20 easy</p>	<p>■ paladin 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>Bluetooth</p> 	<p>■ müller SC 28.11 pro4 SC 28.21 pro4</p>	<p>■ paladin 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>Bluetooth</p> 	<p>■ müller 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>■ Zero-crossing, LED up to 600 W</li> <li>■ DCF / GPS function</li> <li>■ Exchangeable battery</li> </ul>
	<p>■ müller 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>Bluetooth</p> 	<p>■ müller 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>NFC</p> 		<p>■ paladin 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>Bluetooth</p> 	<p>■ müller 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>■ müller SC 08.13 pro</p>	<p>■ paladin 172 113 pro</p>	<p>1 channel version</p>	<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>
	<p>■ müller SC 18.13 easy</p>	<p>■ paladin 170 413 easy</p>	<p>1 channel version</p>	<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>
	<p>■ müller SC 18.14 easy SC 18.24 easy</p>	<p>■ paladin 170 414 easy 170 424 pro4</p>	<p>1 channel version 2 channel version</p>	<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>■ müller SC 28.13 pro4 SC 28.23 pro4</p>	<p>■ paladin 172 413 pro4 172 423 pro4</p>	<p>1 channel version 2 channel version</p>	<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>
		<p>■ paladin 173 113 easy</p>	<p>1 channel version</p>	<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>■ müller 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>■ müller SC 28.19 pro4</p>	<p>■ paladin 172 419 pro4</p>	<p>1 channel version</p>	<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>■ müller SC 98.10 pro4 SC 98.20 pro4 SC 98.30 pro4 SC 98.40 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 / Yearly program</li> <li>■ DIN-rail mounting 70 mm</li> <li>■ 300 memory locations / Programmable via app</li> <li>■ Zero-crossing, LED up to 600 W</li> <li>■ DCF / GPS function</li> <li>■ Exchangeable battery</li> </ul>

	<p>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller</p> <p>VS 10.18 VS 14.18</p>	<p>■ paladin</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>■ müller</p> <p>VS 20.18 VS 24.18</p>	<p>■ paladin</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>■ müller</p> <p>VS 30.18 VS 34.18</p>	<p>■ paladin</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>■ müller</p> <p>FS 60.18 FS 64.18 FS 60.38 FS 64.38</p>	<p>■ paladin</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>■ müller</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>
	<p>■ müller</p> <p>EA 46.22 pro4</p>	<p>Multifunctional device 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Clock thermostat / hygrostat (with LS 20.00 pro4)</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>



## Elapsed time counters

	<p>■ müller</p> <p>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>■ müller</p> <p>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>■ müller</p> <p>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>■ müller</p> <p>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>■ müller</p> <p>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>■ müller</p> <p>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>■ müller</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>

	<p>■ müller 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>■ müller 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>■ müller FU 20.00 pro FU 30.00 pro FU 35.00 pro</p> <p>DCF-time GPS-time GPS-time with DIN-rail power supply included</p>	<ul style="list-style-type: none"> <li>■ Radio receiver</li> <li>■ FU 20.00 pro: 2-wire-connection FU 3x.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 (Einbau 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

	<p>■ <b>paladin</b></p> <p>284 210</p> <p>Without advance warning</p>	<ul style="list-style-type: none"> <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>
	<p>284 250</p> <p>With advance warning</p>	

## Twilight switches

	<p>■ <b>paladin</b></p> <p>972 413 easy</p> <p>1 channel version</p>	<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>
	<p>■ <b>paladin</b></p> <p>922 000</p> <p>1 channel version</p>	<ul style="list-style-type: none"> <li>■ Analogue twilight switch</li> <li>■ Wall mounting</li> <li>■ Ideal for modern lamps (LED)</li> </ul>
	<p>■ <b>paladin</b></p> <p>923 500</p> <p>1 channel version sensor for wall mounting</p>	<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>
	<p>923 501</p> <p>1 channel version sensor for mounting within enclosure</p>	

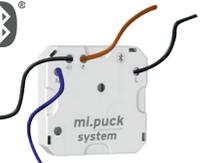
## Dimmers

	<p>■ <b>paladin</b></p> <p>873 010 rlc</p> <p>for RLC loads</p>	<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>
	<p>■ <b>paladin</b></p> <p>873 030 led</p> <p>for LED loads</p>	<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>
	<p>■ <b>paladin</b></p> <p>873 031 led</p> <p>for LED loads without neutral wire</p>	<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>
	<p>■ <b>paladin</b></p> <p>873 040 led</p> <p>for LED-strips</p>	<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>

## Dimmers

	<p>■ <b>paladin</b> 872 110 led</p>	<p>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</p>	<p>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>

## Smart Bluetooth dimmers

	<p>■ <b>müller</b> EA 26.11 pro4</p>	<p>LED dimmer Remote-controllable mini</p>	<ul style="list-style-type: none"> <li>■ LED dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ <b>müller</b> EA 27.11 pro4</p>	<p>LED-strip dimmer Remote-controllable mini</p>	<ul style="list-style-type: none"> <li>■ LED-strip dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED strips (12 - 24 V DC ) 4 A / pulse width modulation</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ <b>müller</b> EA 66.11 pro4</p>	<p>LED dimmer Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ LED dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ <b>müller</b> EA 76.10 pro4</p>	<p>LED dimmer Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Touch LED dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ <b>paladin</b> 872 413 pro4</p>	<p>LED dimmer Remote-controllable</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</li> <li>■ Programmable and controllable via app</li> </ul>

## 0-10V sensors

	<p>■ müller 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>■ müller 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>■ müller 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>

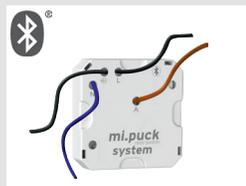
## Modbus sensors

	<p>■ müller 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>■ müller 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>■ müller 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>■ müller GS 42.00 pro</p>	<p>CO<sub>2</sub>-monitor with power supply for flush-mounting</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> </ul>
	<p>■ müller GS 42.01 pro</p>	<p>CO<sub>2</sub>-monitor with power supply with Europlug / wall plug incl. back part 200.004</p>	<ul style="list-style-type: none"> <li>■ Maintenance-free through self-calibration</li> <li>■ Mute function</li> <li>■ 3 open collector outputs</li> </ul>

## mi.puck switches

	<p>■ müller EA 16.11 pro4</p>	<p>Multifunctional device 1 channel 1 input Remote-controllable mini</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Clock thermostat / hygrostat (with LS 20.00 pro4)</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ müller EA 46.22 pro4</p>	<p>Multifunctional device 2 channels 2 inputs Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Time switch week / astro</li> <li>■ Blind controller</li> <li>■ Clock thermostat / hygrostat (with LS 20.00 pro4)</li> <li>■ Flush-mounted fitting</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>

## mi.puck dimmers

	<p>■ müller EA 26.11 pro4</p>	<p>LED dimmer Remote-controllable mini</p>	<ul style="list-style-type: none"> <li>■ LED dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ müller EA 27.11 pro4</p>	<p>LED-strip dimmer Remote-controllable mini</p>	<ul style="list-style-type: none"> <li>■ LED-strip dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED strips (12 - 24 V DC ) 4 A / pulse width modulation</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ müller EA 66.11 pro4</p>	<p>LED dimmer Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ LED dimmer</li> <li>■ Astro function</li> <li>■ Flush-mounted fitting</li> <li>■ LED loads 4 - 150 W / trailing edge dimming</li> <li>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>
	<p>■ müller EA 76.10 pro4</p>	<p>Touch LED dimmer Remote-controllable</p>	<ul style="list-style-type: none"> <li>■ Touch LED dimmer</li> <li>■ 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>■ 100 memory locations</li> <li>■ Programmable and controllable via app</li> </ul>

## mi.sensor & mi.puck App

	<p>■ müller 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 46.22 pro4 and EA 16.11 pro4</li> <li>■ Wall mounting / fits into 55 x 55 mm switch design / outdoor installation</li> <li>■ Compact housing</li> </ul>
	<p>■ müller mi.puck App</p>	<p>App for iOS &amp; Android</p>	<ul style="list-style-type: none"> <li>■ App to control the mi.puck devices remotely</li> </ul>

## KNX Audio interfaces

	<p>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller GS 30.11 knx GS 31.11 knx</p>	<p>Room temperature controller &amp; hygrostat 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>
	<p>■ müller GS 37.11 knx GS 38.11 knx</p>	<p>Room temperature controller &amp; hygrostat Room temp. controller &amp; hygrostat with manual set-point temperature adjustment &amp; rH-monitor</p>	<ul style="list-style-type: none"> <li>Room temperature controller and hygrostat</li> <li>Flush-mounted fitting / fits into 55 x 55 mm switch design</li> <li>Temperature, humidity and atmospheric pressure sensor</li> <li>5 binary and analogue inputs</li> <li>GS 38.11 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>

## KNX Air quality controllers

	<p>■ müller 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>■ müller GS 40.00 knx GS 41.00 knx</p>	<p>CO<sub>2</sub>-air quality sensor / controller 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 41.00 knx: manual adjustment of set-point temperature +/- 3°</li> </ul>
	<p>■ müller GS 40.11 knx GS 41.11 knx</p>	<p>CO<sub>2</sub>-air quality sensor / controller 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>■ müller GS 47.11 knx GS 48.11 knx</p>	<p>CO<sub>2</sub>-air quality sensor &amp; controller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller 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>■ müller LA 16.10</p>	<p>Loudspeaker</p>	<ul style="list-style-type: none"> <li>■ Loudspeaker for flush-mounting</li> <li>■ Nominal Impedance: 4 ohm</li> <li>■ Suitable for: AS 26.01 knx and AS 36.03 knx</li> </ul>
	<p>■ müller TF 06</p>	<p>External temperature sensor / probe</p>	<ul style="list-style-type: none"> <li>■ External temperature sensor</li> <li>■ Measuring range: -15...+70°C</li> <li>■ Cable length: 4m</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>■ paladin 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**  
**2023**

[www.hugo-mueller.de](http://www.hugo-mueller.de)



switching controlling counting

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