SERIES 1550 – ECO SWITCH

REMOTE-OFF AND AUTO-OFF ROCKER SWITCH

ADVANTAGE

Less standby loss

High level of safety for end customer

Indication of device status

Wide rating range

Excellent haptics

Numerous versions

Exceeds the requirements of the European Eco-Design-Regulation

PRODUCT FEATURES

- Automatic switch-off functionality controlled by an external signal from the end device (remote-off) or by the integrated electronics (auto-off)
- Intelligent event-controlled switch-off of the end device (time, temperature, light or current profile)
- Integrated, programmable LED lighting for status display
- From low DC signal currents to ratings of 15 (4) A 125 / 250 V AC
- Optimized and symmetric actuation characteristic
- Remote-off or auto-off versions, DC pulse control, various rockers, colors, design frames, illumination
- Energy neutral through total single-pole galvanic separation – “Zero-Watt”

EXAMPLES OF APPLICATION

- Small household appliances
- Large household appliances
- Entertainment electronics
- Office equipment
- Medical devices
- Industrial applications

Rating	15 (4) A 250 V / 125 V AC
Switching function	ON / OFF, manual auto-off or remote-off
Illumination	Optional (glow lamp, LED status display)
Protection type	IP 40
Life endurance → Mechanical → Electrical	50E3 / 25E3
Ambient temperature	-25 °C … +85°C (optional 105 °C)
Coil control pulse (remote-off)	4,5 A 250 V (1 half wave, 10ms)
Auto-off timer → Time → Temperature → Light → Current	 Time setting: 4 sec to 71 hrs As temperature sensor with external NTC / PTC As light sensor with external photodiode With integrated current sensor / current profile
Terminal type	Quick-connect 4.8 x 0.8 mm
Actuating force	2 – 3 N ± 1.5 N
Flammability	UL 94 V-0 / GWIT IEC 60335
Approval marks	
Suitable for appliances of protection class II	

Technical changes reserved. Dimensions are not binding. Detailed specifications available on request.

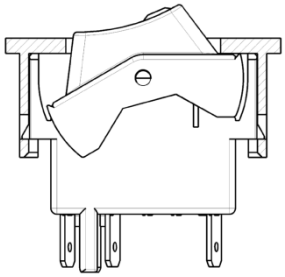
SERIES 1550 – ECO SWITCH

REMOTE-OFF AND AUTO-OFF ROCKER SWITCH

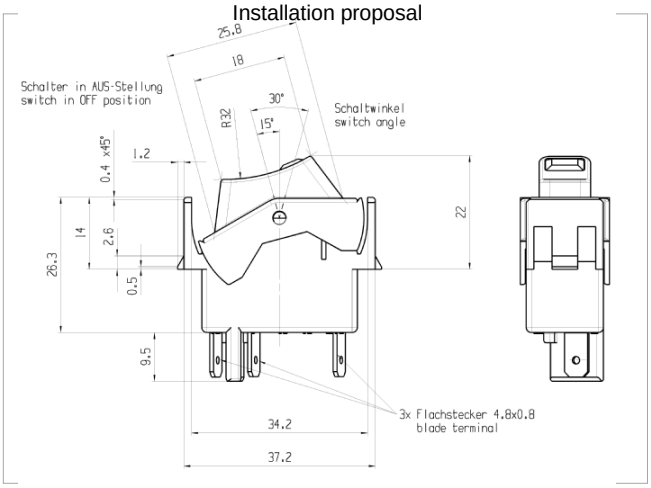
VARIANTS

	Actuation type	Poles	Illumination	Switching function	Terminal type	Miscellaneous
Remote-off	Rocker switch	1	●	ON / OFF	Quick-connect 4.8 x 0.8 mm	DC pulse control / Round rocker / Mounting frame
	Rocker switch	1		ON / OFF		
Auto-off	Rocker switch	1	●	ON / OFF		Current detection / LED / Round rocker / Mounting frame
	Rocker switch	1		ON / OFF		

PRODUCT IMAGE

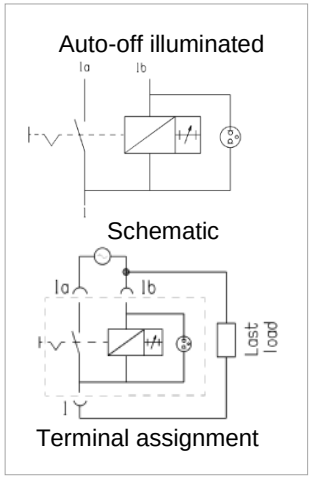


Installation proposal

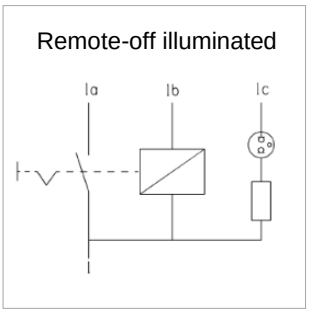


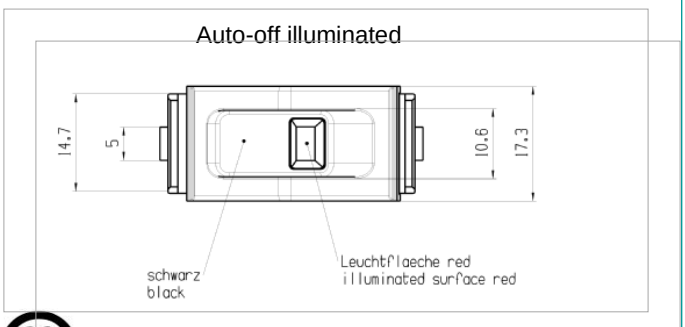
DRAWINGS

(Dimensions in mm)



CIRCUIT





MARQUARDT

Marquardt Mechatronik GmbH • Schloss-Straße 16 • 78604 Rietheim-Weilheim • Germany
Phone +49 (0) 74 24 / 99-0 • Telefax +49 (0) 74 24 / 99-23 99 • marquardt@marquardt.de • www.marquardt.com

© marquardt 08/2012-5