

NHP Wireless switchgear range

Explore new possibilities in interfacing with increased design flexibility and mobility

FIELD SWITCHING & SENSING



.steute



WE'RE EASY TO DO BUSINESS WITH

At NHP we're solely committed to serving the needs of our customers in the industrial electrical industry. From concept design through to installation and after sales service, we are confident we have the experience and expertise to exceed your expectations and ensure you get the best result for your project. How? By combining Partnerships, Agility, Knowledge and Scalability, NHP can offer 100% Australian owned service that forms the ultimate choice in our industry.

PARTNERSHIPS:

When you choose NHP you gain a valuable industry partner. You gain access to an exclusive network of quality global suppliers who, together with NHP, can achieve an engineered solution for your industrial electrical application. A partnership with NHP promises to last, working together with you to offer complete trust, assurance and peace of mind.

KNOWLEDGE:

If your industrial electrical application demands a specialist team of trained project management, design and engineering professionals, then NHP is the ultimate choice, bringing together over 40 years of electrical industry experience and knowledge.

AGILITY:

At NHP we understand your project needs and know that these needs can often change throughout the lifecycle of a project. With a seamless combination of local and technical support backed by around the clock service and local stock, NHP has the agility to provide real time solutions where and when you need them.

SCALABILITY:

With all the scale of a large multi-national company, NHP maintain a premium level of customer service and attention to detail no matter how big or small your project. With over 900+ expert staff in over 50+ branch and regional locations, when you deal with NHP you receive all of this combined knowledge and expertise delivered by local people with a local focus, backed by global suppliers.



A new product offering is introduced

Working alongside Steute, NHP are proud to be able to provide a large selection of different wireless technologies for industrial automation and the building services industry. The products included in this new "Wireless" offering are all presented in this brochure.

Industry makes high demands on wireless devices

Compared to consumer applications, industry and building automation make higher demands on wireless technologies. Wireless interference from other wireless systems affects the wireless links, as do emissions, e.g. from machine enclosures. Having first implemented wireless technology in the medical fields where particularly high demands are experienced with the transmission of safety, Steute are now able to provide this leading technology to industrial automation applications.

A comprehensive range with different wireless standards

The rapidly growing demand of wireless has led to continual expansion of this range and the development of wireless standards to suit the requirements of our customers across a range of applications. To further meet these demands Steute

has developed its own wireless standards, which were fully adapted to the industrial environments and feature profiles of wireless communication in the machinery and process plant industry.

A modular system for wireless switchgear

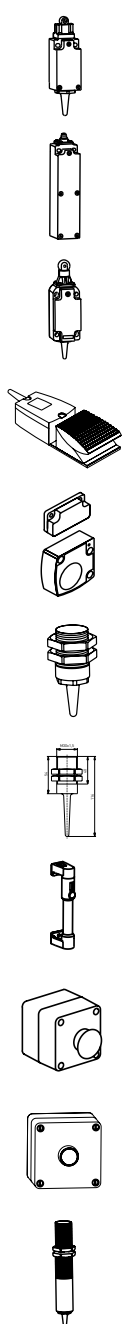
Today the Steute range of Wireless products from NHP is able to provide the machinery and process plant industry with numerous different designs of wireless switchgear – e.g. position switches, foot switches, pull-wire switches and different types of operating device each which can be combined with different wireless technologies. Furthermore, this technology offers a solid platform which meets customer-specific requirements of wireless systems with relatively little effort.

Steute and NHP will continue to expand its wireless range, as well as open up new applications for wireless switchgear in collaboration with its customers.

Index

INTRODUCTION	3
Selection chart	5
WIRELESS LIMIT SWITCHES	
Series RF 10 SW915	6
Series RF 95 SW915	7
Series RF 95 SW915	8-11
PUSHBUTTONS	
Series RF BF 72 SW915	12
Series RF 95 SW915	15
WIRELESS SWITCHES	
Series RF GFI SW915	18
Series RF GFSI SW915	19
Series RF GFSI SW2.4	20
Series RF 95 WH/90° SW915	21
WIRELESS S SENSORS	
Series RF RC 10 SW915	23
Series RF IS Mxx nb-ST	24-25
WIRELESS S TRANSMITTERS	
Series RF 96 ST SW915	26
Series RF 96 STSW 915 VCC	27
WIRELESS S RECEIVERS / REPEATERS	
Series RF RX SW915-1 channel	28
Series RF RX SW915 - 4 channel	30
Series RF RX SW915 - 2 channel with RS232 connection	31
Series RF RX SW915-TCP/IP Gateway	32
Series RF RXT SW915-USB	33
Series RF RXT SW 2.4 GHz - 4 channel	34
Series RF RXT SW915 - 1K	35
ACCESSORIES	
915 Mhz	36-37
2.4 Ghz	38

Selection chart wireless switchgear



	SW 915-e	SW 915-b	SW 2.4-b
	Energy generator	Long life battery	Long life battery
RF 95	●	—	—
RF 96	—	●	—
RF 98	●	—	—
RF GF(S)I	●	—	●
RF RC 10	—	●	—
RF GS M25	—	●	—
RF GS M30	—	●	—
RF TG(M)	—	●	●
RF BF 72	●	●	—
RF BF 74	●	●	—
RF IS	—	●	—

Wireless limit switches

Series RF 10 SW915

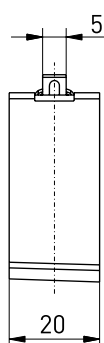
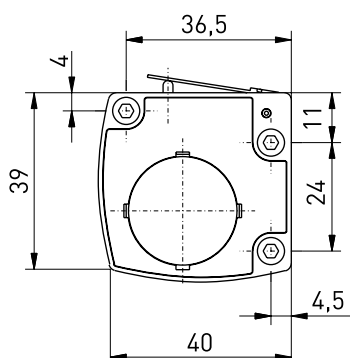


Features/Options:

- Thermoplastic enclosure
- Steute wireless technology
- No wiring and pipe laying required
- Power supply by Lithium battery
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1, EN 301 489-3; EN 300 220-1, EN 300 220-2
Enclosure	Thermoplastic, Polyamid PA 66
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams at repetitions/h
Voltage supply	Lithium-battery CR 2032 (replaceable)
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	Max. 400 m outside, Max. 50 m inside
Mechanical life	2-pole max. 2.5 mm ² , clamping screw with strain relief, max. torque 0.8 Nm
Battery life	> 1 million operations
Actuating time	> 800,000 operations
Approvals	SW915 



Type code

Cat. No.	RF	10	H	SW	915
RF10HSW915	Wireless technology	Series	Actuator H	SW	915MHz wireless frequency

Wireless limit switches

Series RF 95 SW915

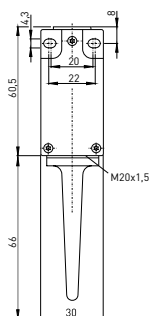
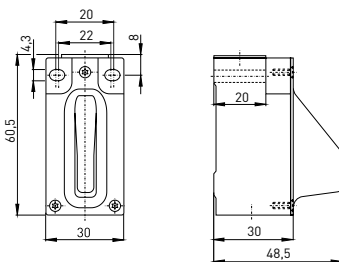


Features/Options:

- Thermoplastic enclosure
- Design according to EN 50 047
- Steute wireless technology
- No power supply, no wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3 EN 300 220-1, -2
Enclosure	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Cover	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	LR: max. 450 m outside, max. 40 m inside ULR: max. 700 m outside, max. 50 m inside
Mechanical life	> 1 million operations
Actuating time	min. 80 ms
Approvals	SW915  



Type code

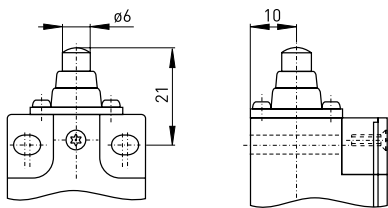
RF 95 WR LR SW 915

915MHz wireless frequency
 SW
 Long range (ULR Ultra long range)
 Actuator R (H, D, DS , etc...)
 Series
 Wireless technology

Wireless limit switches

Series RF 95 SW915

Plunger with collar W



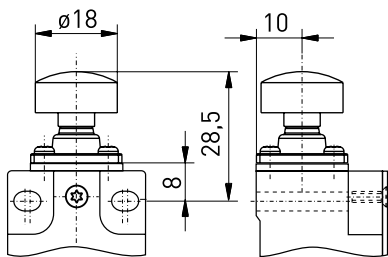
Features/options

- Actuator type B to EN 50 047
- Watertight collar for protection against penetration of dirt

Cat. No.

RF95WLRSW915
RF95WULRSW915

Cap with collar WK



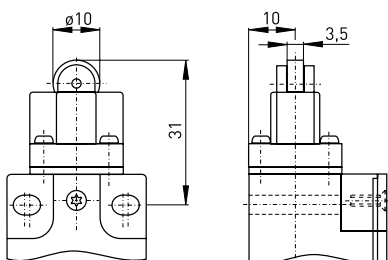
Features/options

- Large actuating surface
- Safe switching also with imprecise actuation
- Suitable for manual actuation
- Watertight collar for protection against penetration of dirt

Cat. No.

RF95WKLRSW915
RF95WKULRSW915

Roller plunger R



Features/options

- Actuator type C to EN 50 047
- Actuator can be repositioned by 4 x 90°
- Wear-resistant plastic roller
- Metal roller available on request

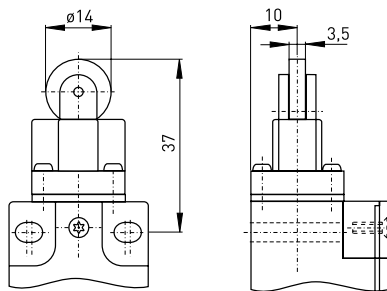
Cat. No.

RF95RLRSW915
RF95RULRSW915

Wireless limit switches

Series RF 95 SW915

Long roller plunger RL



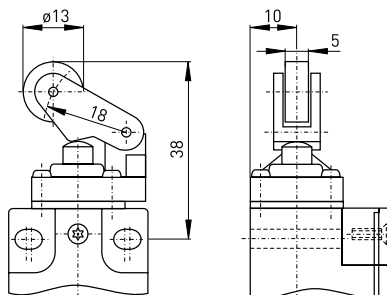
Features/options

- Wear-resistant plastic roller
- Metal roller available on request
- Actuator can be repositioned by 90°

Cat. No.

RF95RLLSW915
RF95RLULRSW915

Roller lever with collar WH



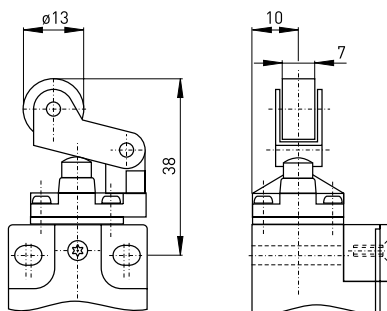
Features/options

- Actuator type E to EN 50 047
- Actuating speed max . 0.5 m/s with a vertical actuating angle of $\alpha = 40^\circ$ and $\beta = 25^\circ$
- Watertight collar for protection against penetration of dirt
- Actuator can be repositioned by 4 x 90°
- Metal roller available on request

Cat. No.

RF95WHLSW915
RF95WHULRSW915

Metal roller lever with collar WHM



Features/options

- Actuating speed max . 0.5 m/s with a vertical actuating angle of $\alpha = 40^\circ$ and $\beta = 25^\circ$
- Watertight collar for protection against penetration of dirt
- Actuator can be repositioned by 4 x 90°
- Metal roller available on request

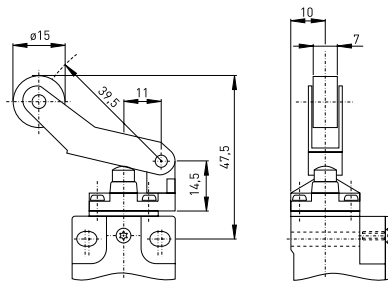
Cat. No.

RF95WHMLRSW915
RF95WHMULRSW915

Wireless limit switches

Series RF 95 SW915

Long metal roller lever with collar WHLM



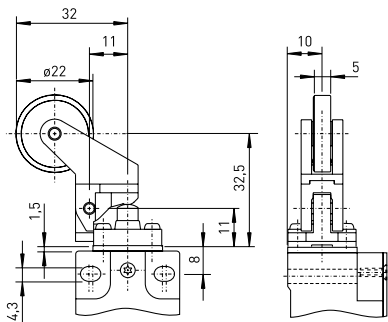
Features/options

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 40°
- Wear-resistant plastic roller
- Actuator can be repositioned by 4 x 90°
- Metal roller available on request

Cat. No.

RF95WHLMLRSW915
RF95WHLMLULRSW915

Plastic roller lever with collar 4K



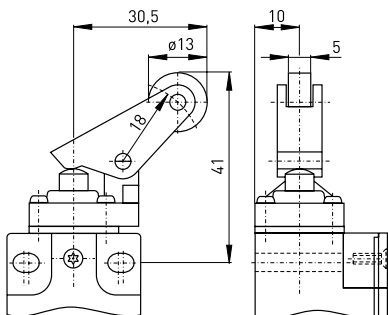
Features/options

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 40°
- Wear-resistant plastic roller
- Actuator can be repositioned by 4 x 90°
- Metal roller available on request

Cat. No.

RF954KLRSW915
RF954KULRSW915

Plastic roller lever with collar WPH



Features/options

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 30°
- Watertight collar for protection against penetration of dirt
- Actuator can be repositioned by 4 x 90°
- Actuation parallel to switch from below

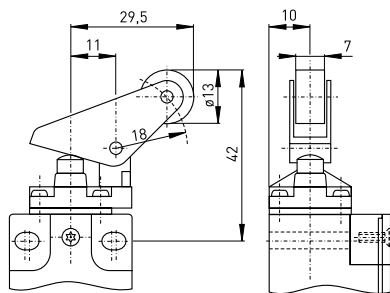
Cat. No.

RF95WPHLRSW915
RF95WPHULRSW915

Wireless limit switches

Series RF 95 SW915

Parallel metal roller lever with collar WPHM



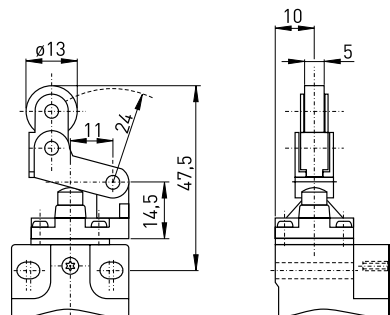
Features/options

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 30°
- Wear-resistant plastic roller
- Actuator can be repositioned by 4 x 90°
- Actuation parallel to switch from below
- Metal roller available on request

Cat. No.

RF95WPHMLRSW915
RF95WPHMULRSW915

Offset roller lever with collar WHKM



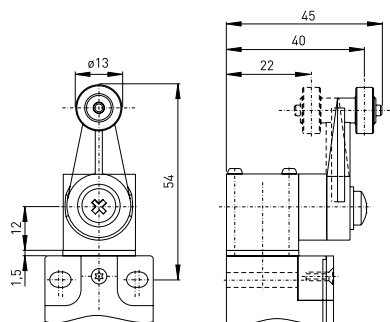
Features/options

- Actuating speed max. 0.5 m/s with a vertical actuating angle of 40°
- Wear-resistant plastic roller
- Actuator can be repositioned by 4 x 90°
- Actuation only possible from right-hand side
- Free movement of actuator from left-hand side
- Metal roller available on request

Cat. No.

RF95WHKMLRSW915
RF95WHKMULRSW915

Rocking lever D



Features/options

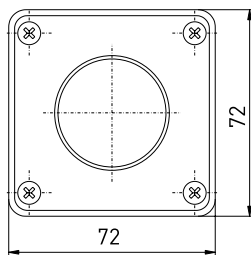
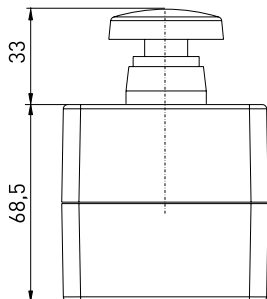
- Lever angle adjustable in 10° steps clockwise or counter-clockwise
- Wear-resistant plastic roller
- Actuator can be repositioned by 4 x 90°
- Metal roller available on request

Cat. No.

RF95DLRSW915
RF95DULRSW915

Pushbuttons

Series RF BF 72 SW915



Features/Options:

- Thermoplastic enclosure
- Steute wireless technology
- No wiring and pipe laying required
- Power supply by Lithium battery
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, -2
Enclosure	Thermoplastic, Polyamid PA 66
Degree of protection	IP 65 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams at repetitions/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	Max. 450 m outside, Max. 40 m inside
Mechanical life	> 1 million operations
Actuating time	Min. 80 ms
Approvals	SW915 

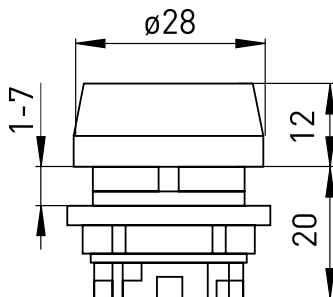
Type code

	RF	BF	72	RS	SW915
	Wireless technology	Command device	Series	Indifferent push-buttons available	Actuator RS SW
				SW	915MHz wireless frequency

Pushbuttons

Series RF BF 72 SW915

Push-button RT



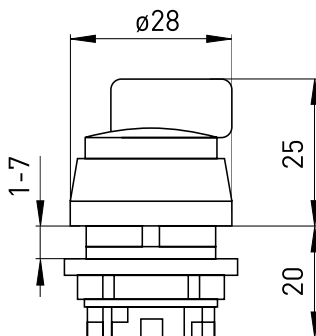
Features/options

- IP 65 for actuator RT
- IP 67 for actuator with diaphragm M
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RFBF72RTSWSW915

Control switch RST



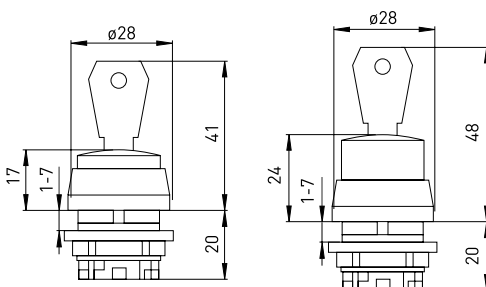
Features/options

- IP 65
- RST with spring return
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RFBF72RSTA0<-I SW915

Key switch RSSA



Features/options

- IP 65
- RSSA key switch with safety cylinder lock (locks against turning)
- Standard version always has same key number
- Available on request in different versions
- Available on request with actuator made of stainless steel

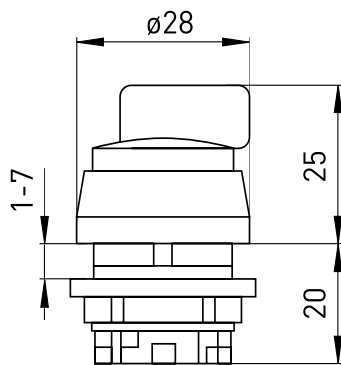
Cat. No.

RFBF72RSSA14SW915

Pushbuttons

Series RF BF 72 SW915

Selector switch RW



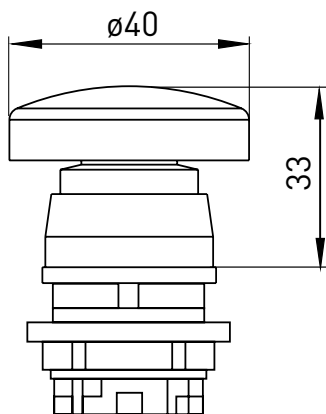
Features/options

- IP 65
- Selector with rest positions
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RFBF72RWA0<-ISW915

Push-button RS



Features/options

- IP 65
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RFBF72RSSWSW915

Pushbuttons

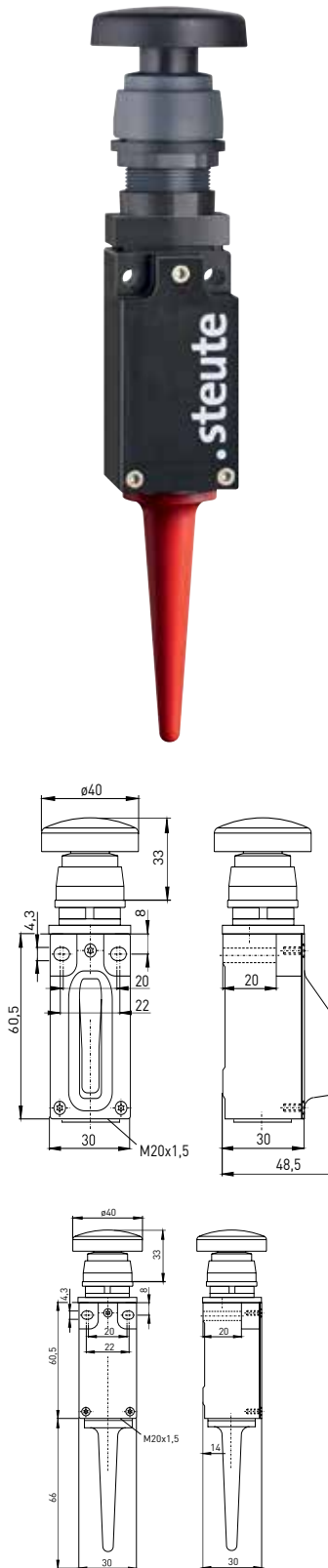
Series RF 95 SW915

Features/Options:

- Thermoplastic enclosure
- Mounting details to EN 50 047
- Steute wireless technology
- No power supply, no wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, -2
Enclosure	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Cover	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams at repetitions/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	LR: Max. 450 m outside, Max. 40 m inside ULR: Max. 700 m outside, Max. 50 m inside
Mechanical life	> 1 million operations
Actuating time	Min. 80 ms
Approvals	SW915 



Type code

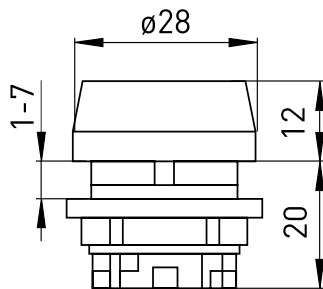
RF	95	RS	SW	LR	SW	915
Wireless technology	Series	Actuator RS SW(Indifferent push-buttons available)	Long Range (ULR Ultra Long Range)	SW	915MHz wireless frequency	

.steute

Pushbuttons

Series RF 95 SW915

Push-button RT



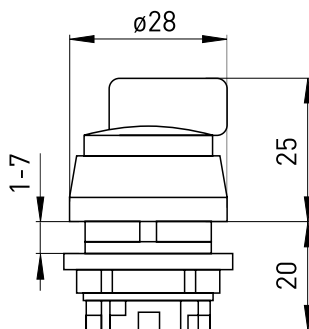
Features/options

- IP 65 for actuator RT, IP 67 for actuator with diaphragm M
- Available on request with actuator made of stainless steel

Cat. No.

RF95RTLRSW915
RF95RTMLRSW915
RF95RTULRSW915
RF95RTMULRSW915

Control switch RST



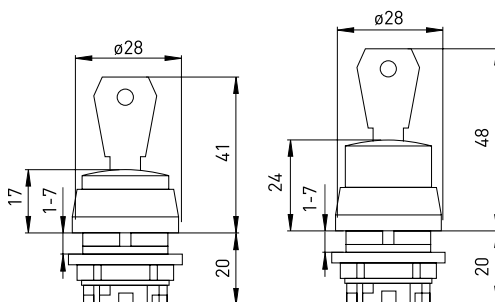
Features/options

- IP 65
- Control switch RST with spring return
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RF95RSTA0<-I LRSW915
RF95RSTA0<-IULRSW915

Key switch RSSA



Features/options

- IP 65
- RSSA key switch with safety cylinder lock (locks against turning)
- Standard version always has same key number
- Available on request with actuator made of stainless steel

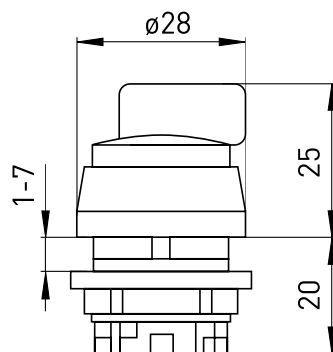
Cat. No.

RF95RSSA14LRSW915
RF95RSSA14ULRSW915

Pushbuttons

Series RF 95 SW915

Selector switch RW



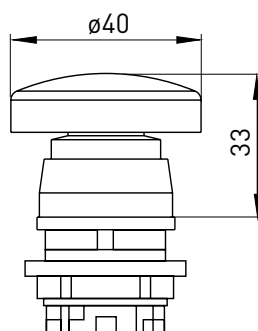
Features/options

- IP 65
- Selector with rest positions
- Actuator made of plastic
- Available on request with actuator made of stainless steel

Cat. No.

RF95RWA0<-ILRSW915
RF95RWA 0<-I ULRSW915

Push-button RS



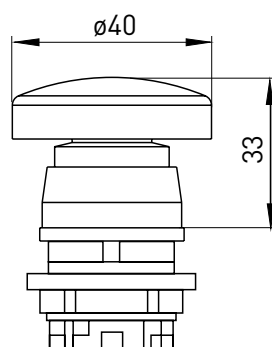
Features/options

- IP 65
- Actuator made of plastic

Cat. No.

RF95RSSWLRW915
RF95RSSWULRW915

Push-button with latching RV



Features/options

- IP 65
- Actuator made of plastic

Cat. No.

RF95RVSWLRW915
RF95RVSWULRW915



Wireless foot switches

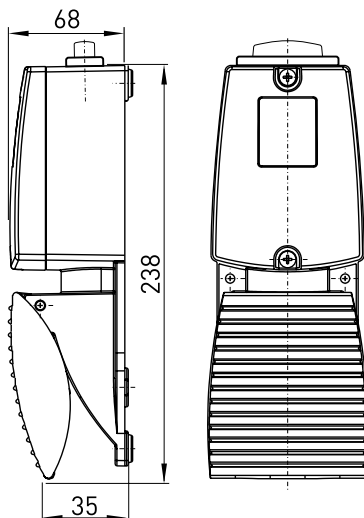
Series RF GFI SW915

Features/Options:

- Metal enclosure
- Available on request with special finish in RAL colour tones
- Steute wireless technology
- No power supply, no wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, -2
Enclosure	Aluminium die-cast, enamel finish, RAL 5011
Cover	Aluminium die-cast, enamel finish, RAL 2004
Pedal	Aluminium die-cast, enamel finish, RAL 5011
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	Max. 700 m outside, Max. 50 m inside
Mechanical life	> 1 million operations
Actuating time	Min. 80 ms
Approvals	SW915 



Type code

Cat. No.	RF	GFI	SW915	
RFGFISW915				
	Wireless technology	Series	SW	915MHz wireless frequency



Wireless foot switches

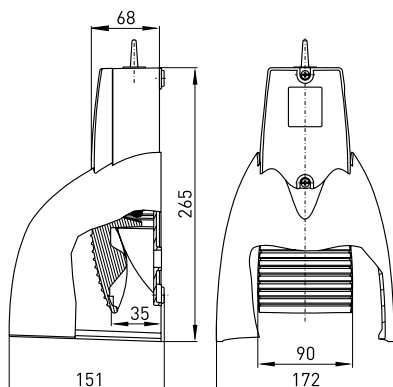
Series RF GFSI SW915

Features/Options:

- Metal enclosure
- Available on request with special finish in RAL colour tones
- Steute wireless technology
- No power supply, no wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, -2
Enclosure	Aluminium die-cast, enamel finish, RAL 5011
Pedal	Aluminium die-cast, enamel finish, RAL 5011
Protective shield	Aluminium die-cast, enamel finish, RAL 2004
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams at repetitions/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	Max. 700 m outside, max. 50 m inside
Mechanical life	> 1 million operations
Actuating time	Min. 80 ms
Approvals	SW915  



Type code

Cat. No.	RF	GFSI	SW915
RFGFSISW915			
	Wireless technology	Series	915MHz wireless frequency
		SW	



Wireless foot switches

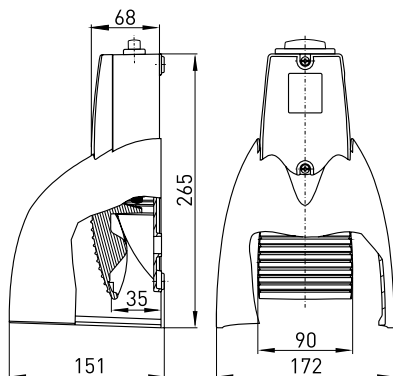
Series RF GFSI SW2.4

Features/Options:

- Metal enclosure
- Available on request with special finish in RAL colour tones
- Steute wireless technology
- Point-to-Point connection
- Pairing via internal push-button
- Frequency hopping: 32 frequencies (200 hops/s)
- Easy programming of receiver
- Transmission of battery power

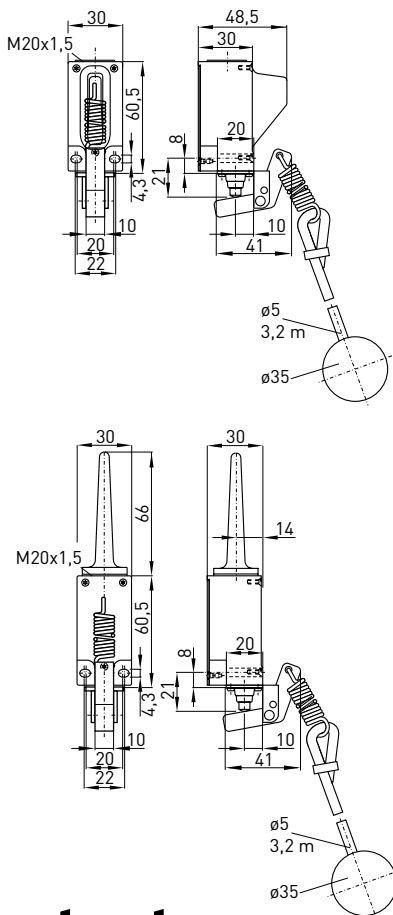
Technical data:

Standards	EN 300 440 -1 V1.3.1; EN 300 440 -2 V1.1.2; EN 301 489 -1 V1.6.1; EN 301 489 -3 V1.4.1; EN 60950; EN 50371
Enclosure	Aluminium die-cast, enamel finish, RAL 5011
Pedal	Aluminium die-cast, enamel finish, RAL 5011
Protective shield	Aluminium die-cast, enamel finish, RAL 2004
Degree of protection	IP 67 per IEC/EN 60529
Transmission incl.frequency change	Max. 20 ms
Synchronisation after sleep mode	Max. 200 ms
Power consumption	21 ... 25 mA
Power consumption sleep mode	Approx. 56 µA
Voltage supply	Lithium battery type SL 2770
Capacity	8.5 Ah / 3.6 V
Battery life	Approx. 10 years unused, 240 days at 10 min actuations per h (8 h/d)
Sensing range	Max. 20 m
Frequency	2.4 ... 2.4835 GHz
Transmission power	1 mW
Ambient temperature	- 20 °C ... + 65 °C
Mech. life	> 1 million operations
Approvals	PG FC IC



Type code

Cat. No.	RF	GFSI	SW2.4
RFGFSISW2GHZ4			
			2.4 GHz wireless frequency
		SW	
		Series	
		Wireless technology	



Series RF 95 WH/90° SW915

- Thermoplastic enclosure
- Mounting details to EN 50 047
- Including 3.2 m long pull-wire and ball
- Steute wireless technology
- No power supply, no wiring and pipe laying required
- Easy programming of receiver
- Output signal can be individually configured at the receiver

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, -2
Enclosure	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Cover	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	SW
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	Approx. 12000 telegrams at repetitions/h
Voltage supply	Electrodynamic energy generator
Frequency	915 MHz
Transmission power	SW915: <10 mW
Data rate	66 kbps
Channel bandwidth	266 kHz
Sensing range	LR: Max. 450 m outside, Max. 40 m inside ULR: Max. 700 m outside, Max. 50 m inside
Mechanical life	> 1 million operations
Actuating time	Min. 80 ms
Approvals	SW915

FC IC

Cat. No.	RF	95	WH/90°	LR	SW	915
RF95WH90LRSW915						
RF95WH90ULR SW915						

915MHz wireless frequency

SW

Long range (ULR Ultra long range)

Actuator H/90°

Watertight collar

Series

Wireless technology

.steute



Sight and sound signalling you can trust

With an extensive range of audible and visual signalling devices, NHP provides a complete range of sight and sound solutions for your wireless requirements. Be it general safety warning, process control, fire or evacuation, NHP have a range of emergency signaling and general signaling devices to get the job done.

At NHP, our experience has shown that certain signaling devices, be it sight or sound, adapt better to different environments and that means understanding the vast range of atmospheric and climatic conditions plays an important role in product selection. Complementing our high quality range, NHP ensure we can provide

the right advice to help you select the right product, first time, every time.

Adopting various manufacturing technologies such as electronic, mechanical and motor driven, NHP have exclusive partnerships to provide an extensive range whether you require a beacon, siren or a simple bell.



EASY TO DO BUSINESS WITH

NHP ELECTRICAL ENGINEERING PRODUCTS PTY LTD
Sales 1300 NHP NHP | nhp.com.au |   

Wireless magnetic sensors

Series RF RC 10 SW915

Features/Options:

- Thermoplastic enclosure
- EnOcean standard
- No wiring and pipe laying required
- Power supply by Lithium battery
- Easy programming of receiver
- Multi-network capable
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-2, -3
Enclosure	Thermoplastic, Polyamid PA 66
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	EnOcean
Ambient temperature	- 20 °C ... + 65 °C
Switching element	Reed contact
Switching distance	> 10 mm
Hysteresis	< 1 mm
Switching frequency	Approx. 9000 telegrams at repetitions/h
Voltage supply	Lithium-battery CR 2032 (replaceable)
Capacity	210 mAh
Frequency	915 MHz
Transmission power	Max. 10 mW
Data rate	120 kbps
Channel bandwidth	280 kHz
Sensing range	Max. 150 m outside, max. 30 m inside
Mechanical life	> 1 million operations
Battery life	> 800,000 operations
Actuating time	Min. 80 ms
Mounting actuator	Min. 8 mm distance to ferromagnetic material
Note	No status signal available; actuator required as accessory

Approvals



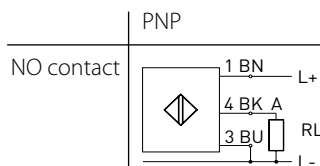
Type code

Cat. No.	RF	RC	10	SW915
RFRC10SW915KIT	Wireless technology	Magnetic sensor	Series	915 MHz wireless frequency
Sensor + Actuator				EnOcean
M4 Spare Actuator				

.steute



Contact variants: switch travel/contacts



Note:
This wireless inductive sensor can only be used with the range of Steute universal transmitters on pages 26

Wireless inductive sensors

Series RF IS Mxx nb-ST

Features/Options:

- Metal enclosure
- Non-flush mounting
- To be connected to RF 96 ST EN868 universal transmitter
- With M12 coupling, 4-pole

Technical data:

Standards	EN 60947-5-1
Enclosure	Brass nickeled
Cap	PVC black
Connection	Coupling M12x1, 4-pole
Cable length	0.5, 1 or 2 m
Degree of protection	IP 67 per IEC/EN 60529
Ambient temperature	-25 °C ... +70 °C
Rated isolation voltage U_i	75 VDC
Rated operating current I_e	0,2 mA
Rated operating voltage U_e	3 ... 5 VDC
Switching distance	RF IS M12: s_n 4 mm, s_a 0 ... 3.24 mm, s_r 3.6 mm ... 4.4 mm RF IS M18: s_n 8 mm, s_a 0 ... 6.48 mm, s_r 7.2 mm ... 8.8 mm RF IS M30: s_n 15 mm, s_a 0 ... 12.15 mm, s_r 13.5 mm ... 16.5 mm
Hysteresis	Approx. 10 %
Repeat accuracy	< 5 %
Mounting	non-flush
Switching frequency	See RF 96 ST
Correction factors	Steel (St37) = 1; V2A approx. 0.7; Brass approx. 0.5; Al approx. 0,5; Cu approx. 0.4
Target	M12: 12 x 12 mm x 1 mm; M18: 24 x 24 mm x 1 mm; M30: 45 x 45 mm x 1 mm material: Steel (FE 360)

Note

The sensors can only be used in conjunction with RF 96 ST

Type code

RF IS M30 nb-ST

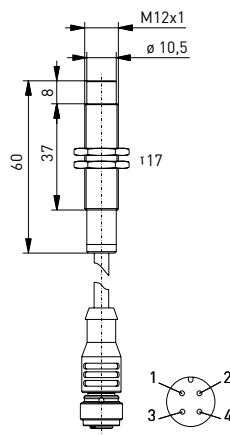
RF IS M30 nb-ST
M12 coupling
Non-flush mounting
M30 thread (M12 or M18)
Inductive sensor
Wireless technology

Two mounting nuts are provided.

Wireless inductive sensors

Series RF IS Mxx nb-ST

RF IS M12 nb-ST



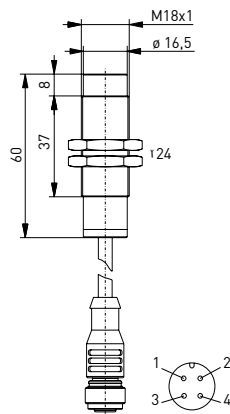
Features/options

- Non-flush mounting
- M12 thread

Cat. No.

RFISM12nb-ST0,5m
RF IS M12 nb-ST1m
RFISM12nb-ST2m

RF IS M18 nb-ST



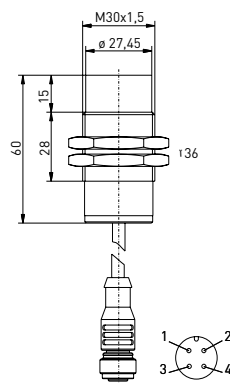
Features/options

- Non-flush mounting
- M18 thread

Cat. No.

RFISM18nb-ST0,5m
RFISM18nb-ST1m
RFISM18nb-ST2m

RF IS M30 nb-ST



Features/options

- Non-flush mounting
- M30 thread

Cat. No.

RFISM30nb-ST0,5m
RFISM30nb-ST1m
RFISM30nb-ST2m

Note:

This wireless inductive sensor can only be used with the range of Steute universal transmitters on pages 27, 28 and 29.
Application: For use with RF IS inductive sensors or external volt-free N/O contacts.

Wireless universal transmitters

Series RF 96 ST SW915

Features/Options:

- Thermoplastic enclosure
- Mounting details to EN 50 047
- M12 coupling
- No wiring and pipe laying required
- Power supply by Lithium battery
- Easy programming of receiver
- Multi-network capable
- Output signal can be individually configured at the receiver

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-2, -3
Enclosure	Glassfibre reinforced thermoplastic, self-extinguishing UL 94-V0
Connection	Plug-in connector M12x1, 4 poles
Degree of protection	IP 67 per IEC/EN 60529
Wireless protocol	EnOcean
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	5 Hz
Standby current	1.5 µA
Voltage supply	Lithium battery (replaceable)
Capacity	8.5 Ah
Frequency	915 MHz
Transmission power	Max. 10 mW
Modulation process	ASK
Telegram type	RPS type 2
Data rate	120 kbps
Channel bandwidth	280 kHz
Sensing range	Max. 300 m outside, Max. 30 m inside
Battery life	According to switch frequency, 1 s Approx. 780 days, 10 s Approx. 1300 days, 100 s Approx. 1400 days
Actuating time	Min. 80 ms
Switching frequency input	Max. 5 Hz
Note	Status signal configurable ex works, transmission of battery voltage

Approvals



Type code

Cat. No.	RF 96 ST SW915
RF96STSW915K (includes M12 cable)	915MHz wireless frequency
RF96STSW915 (without M12 cable)	EnOcean
	Plug-in connector M12 x 1
	Series
	Wireless technology

Wireless universal transmitters

Series RF 96 ST

Features/Options:

- Thermoplastic enclosure
- Mounting details to EN 50047
- Plug-in connector M12
- sWave® wireless technology
- Power supply: 24 VDC
- Easy programming of receiver
- Output signal can be individually configured at the receiver
- Multi-network capable

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 301 489-1; EN 301 489-3; EN 300 220-1, EN 300 220-2
Enclosure	Glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94-V0
Connection	Plug-in connector M12 x 1, 4-poles
Degree of protection	IP 67 to IEC/EN 60529
Wireless protocol	sWave®
Ambient temperature	- 20 °C ... + 65 °C
Switching frequency	5 Hz
Rated operating voltage range U_B	10 - 30 V DC Pin 1 and Pin 3
Rated isolation voltage U_i	75 V DC
Capacity	8.5 Ah
U_{imp}	500 V
Rated operating current I_e	2.5 mA
Voltage drop U_e U_a	-1.5 V
Max. output current	100 mA
Switching point E1 E2	> 5 V DC
Frequency	915 MHz
Sensing range	Max. 450 m outside, Max. 40 m inside
Actuating time	Min. 80 ms
Switching frequency input	Max. 5 Hz



Note:

Application: For the use with sensors with external PNP outputs.

.steute

Type code

Cat. No.	RF	96	ST	SW915	VCC	
RF96STSW915VCCK (includes M12 cable)						24 V DC external power supply
RF96STSW915VCC (without M12 cable)						915MHz wireless frequency
						Series (universal transmitter)
						Wireless technology



Convenient and flexible switching and sensing

With NHP's extensive range of Field Switching and Sensing products you can reduce your machine downtime, increase your productivity and save money through ease of installation and reliability.

NHP has been supplying high quality Field Switching and Sensing products to Australasian markets for over four decades. With this

experience and knowledge, we are able to cover all field sensing requirements and our range is fully tested and engineered to endure all environments found in Australasia.

If it's there, our sensing and detection products will see it or find it. From beam sensors and magnetic reed switches to limit switches, presence sensors and

RFID solutions and encoders, our range keeps the risk of human error to a minimum. We also offer a range of pushbuttons, cam switches, condition sensors, pendant controllers, foot switches, relays and timers to provide a complete solution.



EASY TO DO BUSINESS WITH

NHP ELECTRICAL ENGINEERING PRODUCTS PTY LTD
Sales 1300 NHP NHP | nhp.com.au |   

Wireless receiver

Series RF Rx SW915 – 1 channel



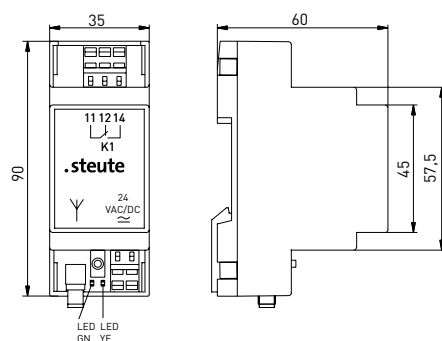
Features/Options:

- Steute wireless technology
- 1-channel: potential-free relay outputs
- 1 change-over contact, max. 6 A
- LEDs for indication of switching state
- Transmitter/receiver assignment by teaching mode
- SMA plug-in connector for external antenna

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Number of channels	1
Mounting	DIN rail mounting
Connection	Terminals with CAGE CLAMP WAGO Series 236: 0.08 ... 2.5 mm ² AWG 28–12, AWG 12: THHN, THWN, stripping length 5 ... 6 mm/ 0.22 in
Degree of protection	IP 20 per IEC/EN 60529
Inputs	1 wireless channel, max. 10 transmitters per channel
Outputs	1 change-over contact (Relay)
Rated operating current I_e	24 V DC: Max. 0.03 A; 24 V AC: Max. 0.07 A
Rated operating voltage U_e	24 V AC/DC -15% ... +10%
I_e/U_e outputs	6 A / 250 V AC; 2A / 24 V DC
Utilisation category	AC-15; DC-13
U_i	250 V AC
U_{imp}	2.5 kV
Frequency	915 MHz
Display	Green LED for supply voltage, Orange LED for switching conditions
Switching frequency	Approx. 12000 telegrams at repetitions/h
Degree of pollution	2 per DIN VDE 0110
Ambient temperature	0 °C ... +55 °Cs
Vibration resistance	NO contact 20 g, NC contact 5 g
Shock resistance	Max. 100 g
Note	Inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.

Approvals

SW915  


Note:

RF magnet antenna with SMA plug-in connector available as accessory, order RFANTSW915.

.steute

Type code

Cat. No.	RF	Rx	SW915-1W
RFRxSW915-1W			
			1 Change over contacts
			915MHz wireless frequency
		SW	
			Wireless receiver
			Wireless technology

Wireless receiver

Series RF Rx SW915 – 4 channel



Features/Options:

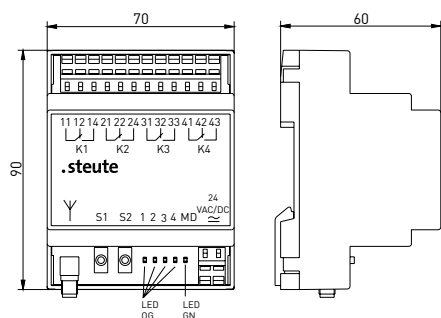
- Steute wireless technology
- 4-channel: potential-free relay outputs
- 4 change-over contacts, max. 6 A
- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Number of channels	4
Mounting	DIN rail mounting
Connection	Terminals with CAGE CLAMP WAGO Series 236: 0.08 ... 2.5 mm ² AWG 28–12, AWG 12: THHN, THWN, stripping length 5 ... 6 mm/ 0.22 in
Degree of protection	IP 20 per IEC/EN 60529
Inputs	4 wireless channels, max. 10 transmitters per channel
Outputs	4 change-over contacts (Relays)
Rated operating current I_e	24 V DC: Max. 0.1 A; 24 V AC: Max. 0.25 A
Rated operating voltage U_e	24 VAC/DC -15% ... +10%
I_e/U_e outputs	6 A / 250 V AC; 2 A / 24 V DC
Utilisation category	AC-15; DC-13
U_i	250 V AC
U_{imp}	2.5 kV
Frequency	915 MHz
Display	Green LED for supply voltage, Orange LED for switching conditions
Switching frequency	Approx. 12000 telegrams at repetitions/h
Degree of pollution	2 per DIN VDE 0110
Ambient temperature	0 °C ... +55 °C _s
Vibration resistance	NO contact 20 g, NC contact 5 g
Shock resistance	Max. 100 g
Note	Inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.

Approvals

SW915  



Note:

RF magnet antenna with SMA plug-in connector available as accessory, order RFANTSW915.

.steute

Type code

Cat. No.	RF	Rx	SW915-4W
RFRxSW9154W			
			4 change over contacts
			915MHz wireless frequency
			SW
			Wireless receiver
			Wireless technology

Wireless receiver

Series RF Rx SW915 – 2 channel with RS232 connection



Features/Options:

- sWave® wireless technology
- 2-channel: potential-free relay outputs
- 2 change-over contacts, max. 6 A
- RS 232 interface
- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA reverse plug-in connector for external antenna

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Number of channels	2
Mounting	DIN rail mounting
Degree of protection	IP 20 to IEC/EN 60529
Inputs	2 wireless channels, max. 10 transmitters per channel
Outputs	2 change-over contacts (relays),
RS 232 interface	24 V DC: Max. 0.1 A; 24 VAC: Max. 0.25 A
Rated operating current I_e	24 V DC: Max. 0.1 A;
24 V AC: max. 0.25 A	6 A/250 V AC; 2 A/24 VDC
Rated operating voltage U_e	24 V AC/DC -15 % ... +10 %
I_e/U_e of output contacts	6 A/250 V AC; 2 A/24 V DC
Utilisation category	AC-15; DC-13
Frequency	915 MHz (USA, Canada and Australia)
Switching frequency	Approx. 12000 telegrams at repetitions/h
Degree of pollution	2 to DIN VDE 0110
Ambient temperature	0 °C ... +55 °C
Storage and shipping temperature	-25 °C ... +85 °C
Interface	
Baudrate	9600 Bd ... 57600 Bd
Data bits	8
Stop bit	1
Parity	None
Flow control	None
External antenna	Always required for optimum sensing range
Approvals	



Note:

Adapter cable RJ11 on Sub-D 9-pol female 0,5m is included.
RF magnet antenna with SMA plug-in connector available as accessory, order RFANTSW915.

.steute

Type code

Cat. No.	RF	Rx	SW915	2W	RS232
RFRxSW915RS232					
					RS232 interface
					2 C/O contacts
					915MHz wireless
					Wireless receiver
					Wireless technology

Wireless receiver

Series RF Rx SW915 – TCP/IP Gateway



Features/Options:

- sWave® wireless technology
- Communication via UDP or TCP/IP (Server or Client - Mode)
- Webserver based Setup
- Transmitter/receiver assignment by teaching mode
- LEDs for indication of operating state
- SMA plug-in connector for external antenna

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Mounting	DIN rail mounting
Connection	Terminals with CAGE CLAMP WAGO Series 236: 0.08 ... 2.5 mm ² / AWG 28-12, AWG 12: THHN, THWN, stripping length 5 ... 6 mm / 0.22 in
Network interface	10/100 Base-T Ethernet (Auto detection) via RJ 45
Software interface	TCP (Client, Server) / UDP / IP (DHCP)
Degree of protection	IP 20 to IEC/EN 60529
Rated operating current I_e	24 V DC: Max. 0.06 A; 24 V AC: Max. 0.08 A
Rated operating voltage U_e	24 V DC -15 % ... +10 %
Frequency	915 MHz (USA, Canada and Australia)
Display	Green LED: Reset state orange LED: signalisation of telegram
Degree of pollution	2 to DIN VDE 0110
Ambient temperature	0 °C ... +55 °C
Storage and shipping temperature	-25 °C ... +85 °C
Shock resistance	Max. 100 g
External antenna	Always required for optimum sensing range
Approvals	FC IC

Note:

RF magnet antenna with SMA plug-in connector available as accessory, order RFANTSW915.

Type code

Cat. No.	RF	Rx	SW915-TCP/IP
RFRxSW915TCP/IP			
			TCP/IP interface
			915MHz Technology
			Wireless receiver
			Wireless technology

Wireless receivers/repeaters

Series: RF RxT SW915-USB



Features/Options:

- Different operating modes
- USB-Standard Receiver Mode
- USB Gateway Mode
- Sniffer Mode
- Repeater (1-Level and 2-Level Repeater Mode)
- Virtual COM Port driver for Microsoft Windows, Linux, Apple Mac

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Connection	USB 2.0
Degree of protection	IP 30 to IEC/EN 60529
Receive	Indefinite number of sWave transmitters
Power supply	Via USB interface
Rated operating current I_e	< 60 mA
Frequency	915 MHz (USA, Canada and Australia)
Switching frequency	Approx. 12000 telegrams at repetitions/h
Degree of pollution	2 to DIN VDE 0110
Ambient temperature	0 °C ... +55 °C
EMC rating	According to EMC directive
Dimensions	70 x 23 x 9 mm (incl. transportation cap)
Note	No external antenna required
Weight	80 g
Approvals	FC IC

Type code

Cat. No.	RF Rx T SW 915 - USB
RFRxTSW915USB	RF Rx T SW 915 USB Wireless technology Wireless receiver Wireless repeater 915MHz Wireless frequency USB connect

Wireless receiver

Series RF RxT Sw 2.4 GHz – 4 Channel



Features/Options:

- Steute wireless technology
- 4 channel: potential free relay outputs
- 4 change-over contacts, Max. 6 A
- LEDs for indication of switching state
- SMA-plug-in connector for external antenna

Technical data:

Standards	EN 300 440 -1 V1.3.1; EN 300 440 -2 V1.1.2; EN 301 489 -1 V1.6.1; EN 301 489 -3 V1.4.1; EN 60950; EN 50371
Mounting	DIN rail mounting
Connection	Terminals with CAGE CLAMP WAGO Series 236: 0.08 ... 2.5 mm ² AWG 28–12, AWG 12: THHN, THWN, stripping length 5 ... 6 mm/ 0.22 in
Degree of protection	IP 20 per IEC/EN 60529
Rated operating current I_e	Max. 0.21 A
Rated operating voltage U_e	24 VDC -15 % ... +10 %
Inputs	2 transmitters per receiver
Outputs	4 change-over contacts (Relays)
I_e/U_e of output contacts	6A / 250 VAC; 2A / 24 VDC
Utilisation category	AC-15; DC 13
Frequency	2.4 ... 2.4835 GHz
Display	Green LED for supply voltage Yellow LED for switching conditions
EMC rating	Acc. to EMC directive
Degree of pollution	2 to DIN VDE 0110
Ambient temperature	0 °C ... +55 °C
Storage and transport temperature	-25 °C ... +85 °C
Vibration resistance	NO contact 20g, NC contact 5g
Shock resistance	Max. 100 g
Approvals	

Note:

Inductive loads (contactors, relays etc.) are to be suppressed by suitable circuitry.

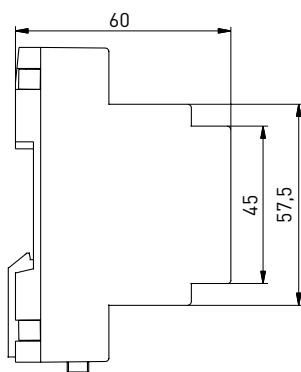
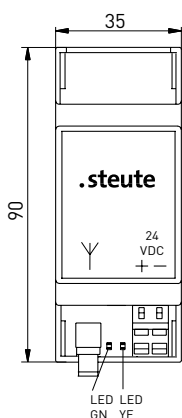
RF magnet antenna with SMA plug-in connector available as accessory
Cat. No. RFANTSW2GH24

Type code

Cat. No.	RF RxT SW2.4-4W
RFRxTSW2GHZ4	RF RxT SW 2.4 4W 4 Relais outputs Wireless frequency 2.4 GHz SW Wireless receiver Wireless technology

Wireless repeater

Series: RF RxT SW915-1K



Features/Options:

- sWave® wireless technology
- LEDs for indication of operating state
- SMA plug-in connector for external antenna

Technical data:

Standards	EN 60947-5-1; EN 61000-6-2; EN 61000-6-3; EN 60068-2-6; EN 60068-2-27; EN 301 489-1; EN 301 489-3; EN 300 220-2
Mounting	DIN rail mounting
Connection	Terminals with CAGE CLAMP WAGO Series 236: 0.08 ... 2.5 mm ² / AWG 28-12, AWG 12: THHN, THWN, stripping length 5 ... 6 mm / 0.22 in
Degree of protection	IP 20 to IEC/EN 60529
Rated operating current I_e	24 V DC: Max. 0.02 A; 24 V CC: Max. 0.03 A
Rated operating voltage U_e	24 V AC/DC -15 % ... +10 %
Utilisation category	AC-15; DC-13
U_i	250 V AC
U_{imp}	2.5 kV
Frequency	915 MHz (USA, Canada and Australia)
Display	Green LED: operating state Orange LED: signalisation of telegram
Degree of pollution	2 to DIN V DE 0110
Ambient temperature	0 °C ... +55 °C
Storage and shipping temperature	-25 °C ... +85 °C
Shock resistance	Max. 100 g
External antenna	Always required for optimum sensing range
Approvals	

Type code

Cat. No.	RF	Rx	SW	915-1K
RFRxTSW9151K Single channel version				1 Channel simple cascading
RFRxTSW9152K Two channel version				915MHz Wireless frequency
				Wireless repeater
				Wireless technology

Accessories – 915Mhz

Field strength indicator



Features/options

- Mobile field strength indicator
- To measure and indicate the electrical field strength
- Battery not included, requires AA/LR91 Lithium battery
- Repeater mode can be selected

Cat. No.

RFSWVIEW915

RF Magnet antenna 915 MHz



Features/options

- RF magnet antenna with straight RSMA plug-in connector without ferrite core
- Cable length 3.6 m

Antennas

RF Magnet antenna SW915 5 dB

Note

The antenna must be mounted on a metal plate of min. 250 x 250 mm size.

Cat. No.

RFANTSW915

RF SMA antenna socket



Features/options

- Cable length 0.5 m

Antenna sockets

RF Magnet antenna socket

Cat. No.

RFANTSOCKET

Accessories – 915MHz

RF SMA antenna extension



Features/options

- RF SMA cable suitable for EnOcean as well as steute wireless technology
- Antenna extension cable with straight SMA plug-in connector

Cat. No.

RFEXTCAB3M

RS 232 cable



Features/options

- RS 232 cable for receiver RF Rx SW915-2W-RS232
- Provided with receiver

Cat. No.

RS232cable

Accessories – 2.4GHz

RF magnet antenna 2.4 GHz



Features/options

- RF magnet antenna with straight SMA plug-in connector without ferrite core
- Cable length 1 m
- Order unit: 1 piece

Antennas

RF Magnet antenna 2.4 GHz

Note

The antenna must be mounted on a metal plate of min. 250 x 250 mm size.

Cat. No.

RFANTSW2GHZ4

RF SMA antenna socket



Features/options

- RF magnet antenna with straight RSMA plug-in connector without ferrite core
- Cable length 3.6 m

Antenna sockets

RF Magnet antenna

Cat. No.

RFANTSOCKET

RF SMA antenna extension



Features/options

- RF SMA antenna extension cable with straight SMA plug-in connector
- Cable length 3 m
- Order unit: 1 piece

Antenna extensions

RF SMA antenna extension cable 3 m

Cat. No.

RFEXTCAB3M



Secure your site with power distribution and protection from NHP

Safe, secure and reliable Power Distribution and Protection components are the cornerstone of any industrial electrical installation.

At NHP we not only have the product range, but the experience and expertise to assist with the correct selection of Power Distribution and Protection

products to suit all types of industrial electrical networks in any application.

Calling upon leading global suppliers, all of our products, from an extensive range of circuit protection devices, loadbreak switches through to distribution boards, chassis systems switch-fuses and plugs and sockets, offer

high levels of electrical security and reliability.

NHP also provides a wide range of equipment protection devices such as surge diverters, earth leakage relays and arc detection relays to ensure your power distribution network is protected at all times.



EASY TO DO BUSINESS WITH

NHP ELECTRICAL ENGINEERING PRODUCTS PTY LTD

Sales 1300 NHP NHP | nhp.com.au |   



For more information, scan to download the NHP eCatalogues App offering exclusive video content, catalogues and literature!

AUSTRALIA

nhp.com.au

SALES 1300 NHP NHP

FAX 1300 NHP FAX

VICTORIA

Melbourne

43-67 River Street
Richmond
VIC 3121
Tel +61 3 9429 2999

Laverton

104-106
William Angliss Drive
Laverton North
VIC 3026
Tel +61 3 9368 2901

Albury / Wodonga

847 Ramsden Drive
Albury
NSW 2640
Tel +61 2 6049 0600
Fax +61 3 6025 0592

Dandenong

Unit 1/80 Monash Drive
Dandenong South
VIC 3175
Tel +61 3 8773 6400
Fax 1300 647 329

TASMANIA

Hobart

29B Lampton Ave
Derwent Park
TAS 7009
Tel +61 3 6228 9575
Fax +61 3 6228 9757

Launceston

Unit 3
13-17 Merino Street
Kings Meadows
TAS 7249
Tel +61 3 6345 2600
Fax +61 3 6344 6324

NEW SOUTH WALES

Sydney

30-34 Day Street North
Silverwater
NSW 2128
Tel +61 2 9748 3444

Newcastle

575 Maitland Road
Mayfield West
NSW 2304
Tel +61 2 4960 2220
Fax +61 2 4960 2203

Wollongong

Unit 3
1 Resolution Drive
Unanderra
NSW 2526
Tel 1300 647 647
Fax 1300 647 329

ACT

Canberra

Unit 1
187 Gladstone Street
Fyshwick
ACT 2609
Tel +61 2 6280 9888
Fax +61 2 6280 9588

WESTERN AUSTRALIA

Perth

38 Belmont Ave
Rivervale
WA 6103
Tel +61 8 9277 1777

NORTHERN TERRITORY

Darwin

3 Steele Street
Winnellie
NT 0820
Tel +61 8 8947 2666
Fax +61 8 8947 2049

QUEENSLAND

Brisbane

16 Riverview Place
Murarrie
QLD 4172
Tel +61 7 3909 4999

Townsville

5 Leyland Street
Garbutt
QLD 4814
Tel +61 7 4779 0700
Fax +61 7 4775 1457

Rockhampton

1 Lawson Street
Parkhurst
QLD 4702
Tel +61 7 4927 2277
Fax +61 7 4922 2947

Toowoomba

Cnr Carroll Street and
Struan Court
QLD 4350
Tel +61 7 4634 4799
Fax +61 7 4633 1796

Cairns

Unit 2
1 Bramp Close
Portsmith
QLD 4870
Tel +61 7 4035 6888
Fax +61 7 4035 6999

SOUTH AUSTRALIA

Adelaide

36-38 Croydon Road
Keswick
SA 5035
Tel +61 8 8297 9055

NEW ZEALAND

nhp-nz.com

SALES 0800 NHP NHP

FAX 0800 FAX NHP

PO Box 62-009

**Sylvia Park
Auckland 1644
New Zealand**

Auckland

118a Carbine Road
Mt Wellington 1060

Hamilton

78 Rostrevor Street
Hamilton 3204

Napier

126 Taradale Road
Onekawa 4110

New Plymouth

2 Dean Place
Waiwhakaiho 4312

Wellington

Unit B4, 59 Marsden Street
Melling
Lower Hutt 5010

Christchurch

27 Iversen Terrace
Waltham 8011

Dunedin

30 Fox Street
South Dunedin 9012

NHP Electrical Engineering Products Pty Ltd

A.B.N. 84 004 304 812

NSTEUTESC 6/14 © Copyright NHP 2014



Environmentally Friendly
Printed on recycled paper