Datasheet

CONEXIO *flexx* HY-6 RRH

030.8396

SCOPE OF SUPPLY

Hybrid to the antenna (HTTA) box solution for up to 6 remote radio heads (RRH).

The feeder cable comes with an FO divider and fan out and a PO blunt cut on the base band unit (BBU) station side.

GENERAL DESCRIPTION

The CONEXIO *flexx* HY-6RRH is the hybrid box for up to 6 remote radio heads (RRH) and is equipped with screw terminals and LC duplex adapters. It can be upgraded with circuit breakers and surge protection for the maximum of flexibility and safety.
The feeder cable is prepared to assemble in the box and the BBU side comes with a blunt cut for power and a divider with a fan out for fiber optics. Optionally a cable gland can be added to seal the entry point to the base station.

FEATURES

- Up to 6 RRH
- Robust design
- Combination of fiber and copper
- Flexible and upgradeable
- Optional circuit breakers and surge protectors
- Optimized handling
- Reduced installation time
- High accessibility – service friendly

PRODUCT-NO	PRODUCT DESCRIPTION	Features
851259	CONEXIO flexx HY-6RRH 12 LCd PC B	Box only
851279	CONEXIO flexx HY-6RRH 12 LCd PC 10 m	Feeder cable length L1 = 10 m
851322	CONEXIO flexx HY-6RRH 12 LCd PC 50 m	Feeder cable length L1 = 50 m
851375	CONEXIO flexx HY-6RRH 12 LCd PC 100 m	Feeder cable length L1 = 100 m

Please contact us for different configurations like other lengths, optional equipment, different BBU side, other cross sections etc.

TECHNICAL DATA

DESCRIPTION BOX	VALUE / VALUE RANGE
Number of RRH	6
Fiber optic	6x LC duplex PC adapters
Power	Screw terminals up to 16 mm^2
Cable entry	Cable gland M40 for cable Ø 18 -32 mm
Cable exit	Up to 12 jumpers Cable gland M32 with multiple seal 6x 5.5 mm for FO and cable glands M20 for cable Ø 7 - 14 mm for power jumpers
Rated voltage	48 VDC
Maximum current rating per RRH	35 A
Product dimension (WxHxL)	600 x 300 x 132 mm
Circuit breaker (optional)	Miniature circuit breaker
Surge protection device (optional)	Type 1 surge protection device
Protective ventilation	Typcial airflow >400 ml/min

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DESCRIPTION FEEDER		VALUE / VALUE RANGE
BBU connectivity FO		Divider with fan out and LC duplex PC connectors
Outer diameter divider BBU side		22.4 mm
Protection tube BBU side – outer diameter		34.5 mm
BBU connectivity PO		Blunt cut
Cable gland size BBU (optional)		M40
Cable type		Hybrid multi core power supply cable
Cable diameter		27.8 ± 1.5 mm
Jacket material		LSFH™, black
Number of fibers		12
Fiber class		G657.A1 (SM)
Number of conductors		12
Conductor cross section		10 mm^2
Conductor type IEC 60228		Class 5
Conductor resistance		1.91 Ω/km
Rated voltage		AC: 0.6/1 kV (1,2 kV) DC: 0.9/1.5 kV
Maximum current rating at 60° C ambient temperature		35 A
Max conductor temperature		+90 °C
Insulation material		Crosslinked Polyethylene (XLPE)
Insulation color IEC 60445		Black
Metallic shield		Al/PET laminate foil shield, 50/23µm
Drain wire type IEC 60228		Class 5
Drain wire cross section		6 mm^2
Cable weight		1455 kg/km
Minimum bending radius	during installation	10x OD
	In service	8x OD
CPR classification		Dca

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Protection class IP	IP 68	IEC 60529
Impact resistance	IK09	EN 62262
Material	Fiberglass reinforced polycarbonate	
Color	RAL 7035 – grey	
Salt-mist	> 500 hours	IEC 61300-2-26
UV resistance	1'000 hours	ISO 4892-3 (method A / cylce 1)

CLIMATICAL DATA

DESCRIPTION		VALUE / VALUE RANGE
Temperature range	Operation	-40 °C to +85 ° C
	Installation	-10 °C to +50 ° C

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FIRE PROPERTIES

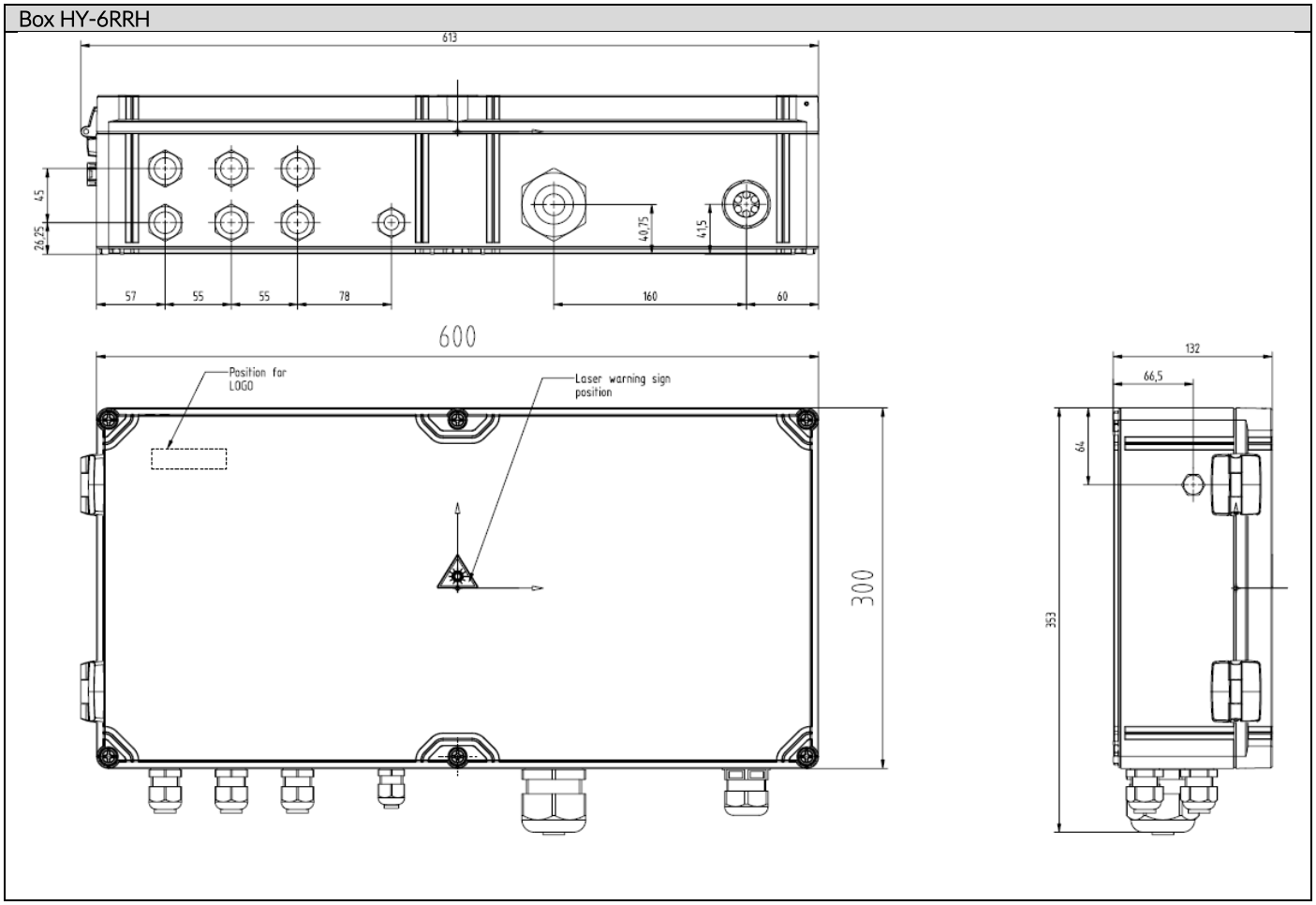
DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Flammability rating box	Pass	UL 746C
Fire propagation	Pass	IEC 60332-1-2, IEC 60332-3-25

ENVIRONMENT

DESCRIPTION	VALUE / VALUE RANGE
RoHS	Compliant
REACH	Compliant

TECHNICAL DRAWING

Box HY-6RRH



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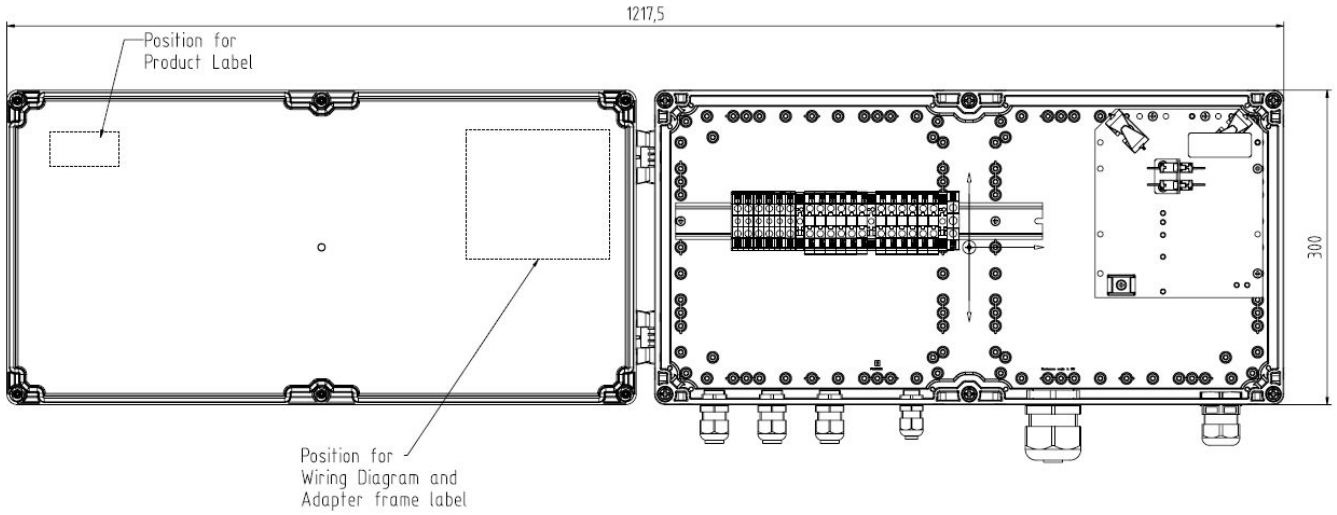
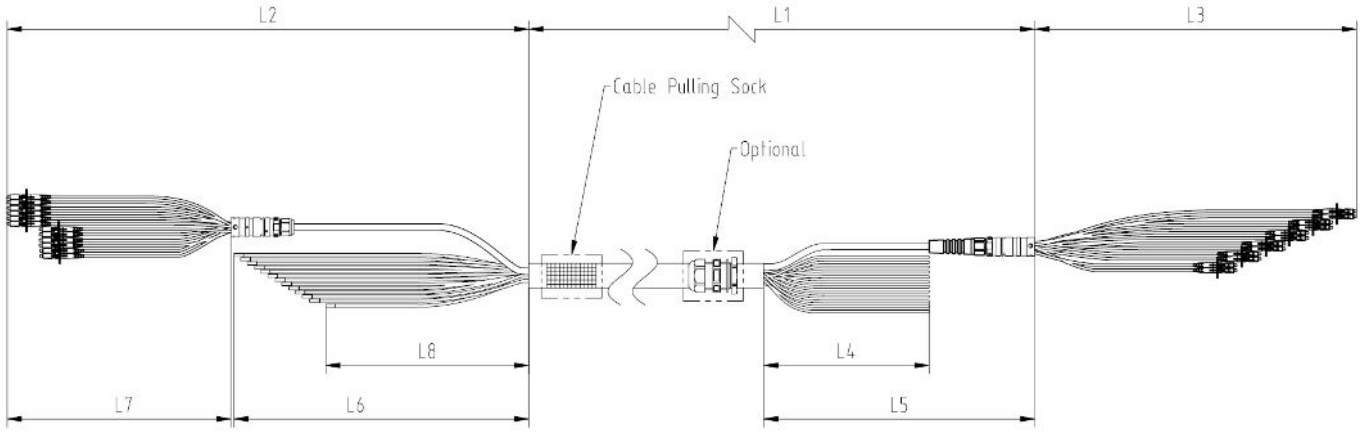


Feeder HY-6RRH



	Length	Tolerance
L1	1m-10m	0 + 0.5m
	11m-50m	0 + 0.8m
	51m-100m	0 + 1.0m
	101m-200m	0 + 1.5m
L2	1280mm	±60mm
L3	980mm-1130mm	±20mm
L4	200mm	±20mm
L5	328mm	±20mm
L6	250mm-350mm	±2mm
L7	720mm- 780mm	±20mm
L8	220mm	±2mm

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ACCESSORIES

Mounting kit 300 x 600

R900191

Wall mounting kit

R900181

Grounding kit for poles, green-yellow, 16mm^2, 0.5 m

R900180

Grounding cable, green-yellow, 16 mm^2, 0.5 m

R900182

Hose clamp for pole diameters 40 – 60 mm

R900198

Hose clamp for pole diameters 60 – 135 mm

R900200

Jumper LCd PC – LCd PC

2 m: R900266
5 m: R900267

Jumper LCd PC – LCd PC with NSN boot

2 m: R900321
5 m: R900325

Jumper LCd PC – FullAXS LCd PC

2 m: R900328
5 m: R900329

Jumper LCd PC – PDLC PC

2 m: R900332
5 m: R900365

Jumper power stripped – blunt cut

2 m: R900317
5 m: R900318

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