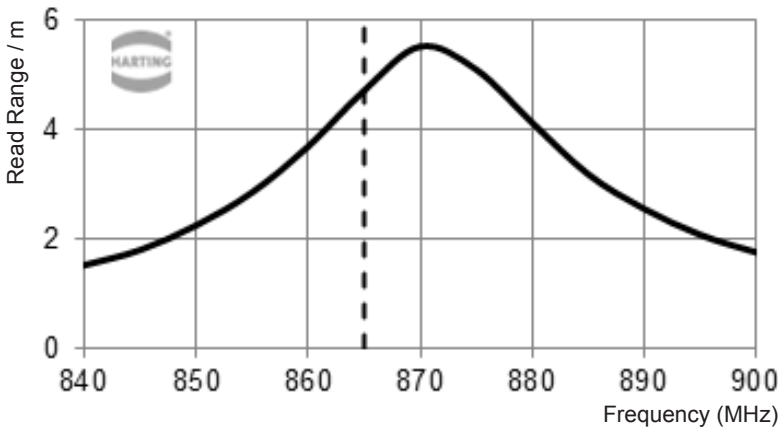


## Technical characteristics

Frequency range	860 ... 870 MHz, EU frequency band
Protocol	EPC Class 1 Gen 2
EPC / User Memory	128 Bit / 512 Bit
Read range on metal, 2 W ERP	up to 4 m
Temperature range Operational	-40 °C ... +85 °C
Housing	
Dimensions (W x D x H)	100 x 60 x 18 mm
Protection class	IP67
Mounting	screws, rivets, glue
Colour	black

## Measurements

### Read range

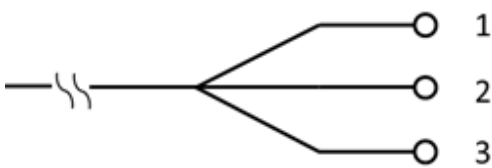


— on metal  
200 x 200 mm  
forward

Theoretical read range measured in  
free field conditions  
(radiated power: 2 W ERP)

## Monitoring function

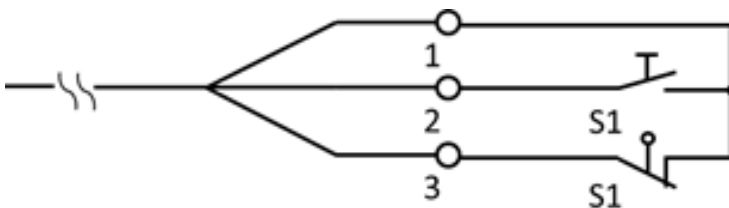
Pin assignment of cable



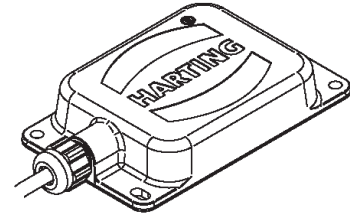
Pin	colour code	function
1	green	$U_V$
2	brown	input 1
3	white	input 2

Status of inputs is stored in the User Memory:  
decimal address 268 / Bit 0 and 1 (MSB first)

Connection example



Available  
May 2015



Transponder  
Ha-VIS RFID Control ETB 86v1

## Features

- Passive RFID Transponder with monitoring function
- Monitoring of 2 inputs
- Dry contact control via 8 m cable
- Optimised for the EU frequency band
- Optimised for function on metal
- Completely Class 1 Gen 2 compatible
- Read range on metal, 2 W ERP: up to 4 m
- Extremely robust and chemically resistant housings
- Easy fixing (with screws)
- High temperature resistance
- Protection class IP67

## General description

- The Ha-VIS RFID Control ETB is an intelligent UHF Transponder acting as a condition monitoring system. In addition to the EPC Header and User Memory, it communicates the status of 2 digital inputs. Due to these inputs i.e. open/closed contacts are connected directly via a cable to the transponder.
- Passive mode, no power supply on transponder necessary
- Control transponder for:
  - industrial conveyor systems
  - lifts or elevator systems
  - cable cars
  - moving parts (machinery)
  - intelligent vehicles

Identification	Part number	Drawing	Dimensions in mm
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Ha-VIS RFID  
Control ETB 86v1

Packaging unit: 1 piece

20 92 614 7055

