

# Product data sheet

Specifications



## Base Module, Harmony XVB7 Modular Tower Light, Ø70mm, IO Link Base With Adapter And Cover, Grey

XVB7C31

### Main

|                             |                                              |
|-----------------------------|----------------------------------------------|
| Range of product            | Harmony XVB7                                 |
| Product or component type   | Base module                                  |
| Device composition          | Base direct/tube & cover                     |
| Device short name           | XVB7                                         |
| Mounting diameter           | 2.8 in (70 mm)                               |
| Electrical connection       | IO Link                                      |
| Communication port protocol | IO Link v1.1                                 |
| fixing mode                 | Direct or tube fixing                        |
| Mounting position           | Upright/inverted                             |
| Assembly style              | Up to 5 Modules (4 lens + 1 sound or 5 lens) |
| Material                    | Polycarbonate                                |
| Housing colour              | Dark grey                                    |
| Net weight                  | 0.500 lb(US) (0.227 kg)                      |

### Complementary

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| [Ue] rated operational voltage         | 24 V DC                                            |
| Rated operational voltage limits       | 21.6...26.4 V DC                                   |
| Electrical shock protection class      | Class II                                           |
| Current consumption                    | 6 mA                                               |
| Output current                         | 500 mA max per channel<br>1600 mA max all channels |
| Connections - terminals                | M12, 5 Pol Male, A-Coded port                      |
| Type of cable                          | M12 cable 15cm                                     |
| [Ui] rated insulation voltage          | 50 V                                               |
| [Uimp] rated impulse withstand voltage | 0.5 kV                                             |

### Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| Pollution degree                      | 2                          |
| Ambient air temperature for operation | -13...140 °F (-25...60 °C) |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C) |
| IP degree of protection               | IP66                       |
| Environmental Type ratings            | UL type 4X/13              |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| Vibration resistance   | 6 gn +/- 0.5 mm 10...500 Hz)in operation                |
| Shock resistance       | 30 gn 6 ms) in operation                                |
| Standards              | UL 60947-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 60947-5-1 |
| Product certifications | cULus<br>CCC<br>RCM<br>UKCA<br>CE                       |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 2.835 in (7.200 cm)     |
| Package 1 Width              | 2.835 in (7.200 cm)     |
| Package 1 Length             | 7.087 in (18.000 cm)    |
| Package 1 Weight             | 7.196 oz (204.000 g)    |
| Unit Type of Package 2       | S03                     |
| Number of Units in Package 2 | 15                      |
| Package 2 Height             | 11.8 in (30 cm)         |
| Package 2 Width              | 11.8 in (30 cm)         |
| Package 2 Length             | 15.7 in (40 cm)         |
| Package 2 Weight             | 7.820 lb(US) (3.547 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 2 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 0 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.2 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | Yes                                                                                    |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Again

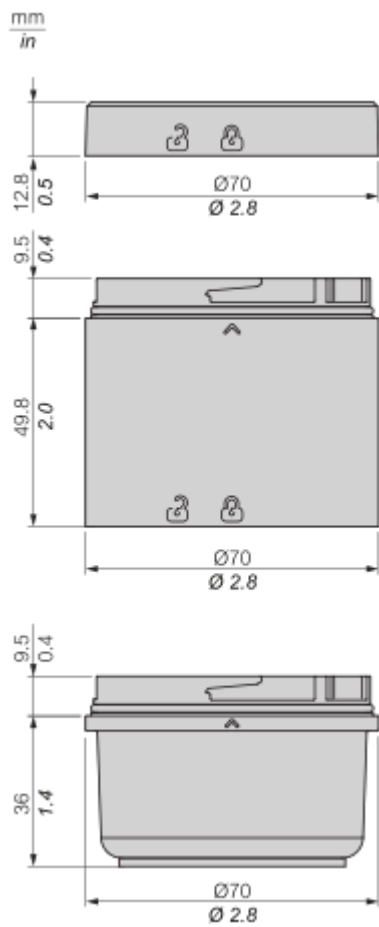


### Repack and remanufacture

|                               |                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 89                                                                                                                                                                                                              |
| Circularity Profile           | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                     | No                                                                                                                                                                                                              |
| WEEE Label                    |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

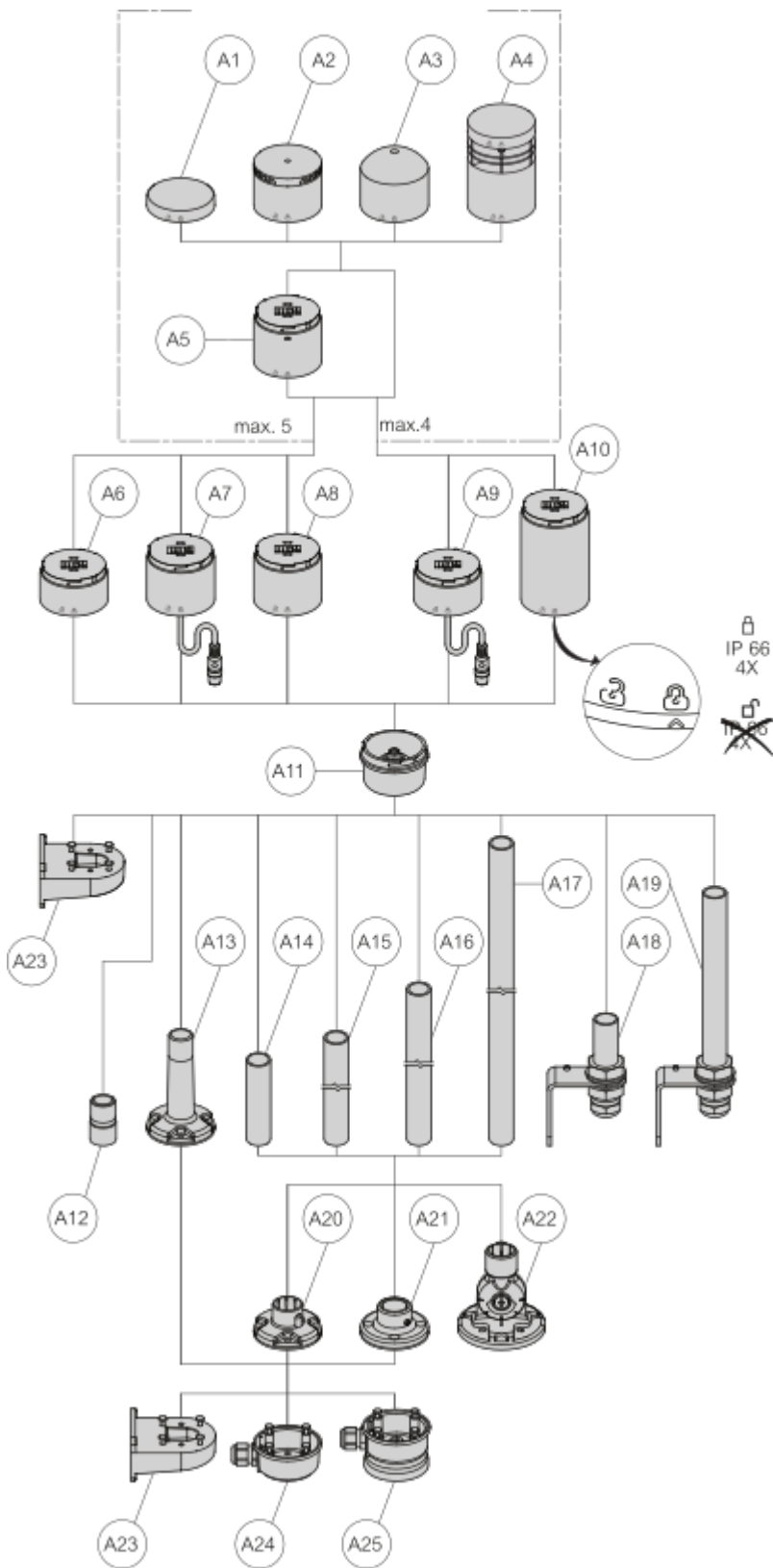
Dimensions Drawings

Dimensions



Mounting and Clearance

Mounting Overview



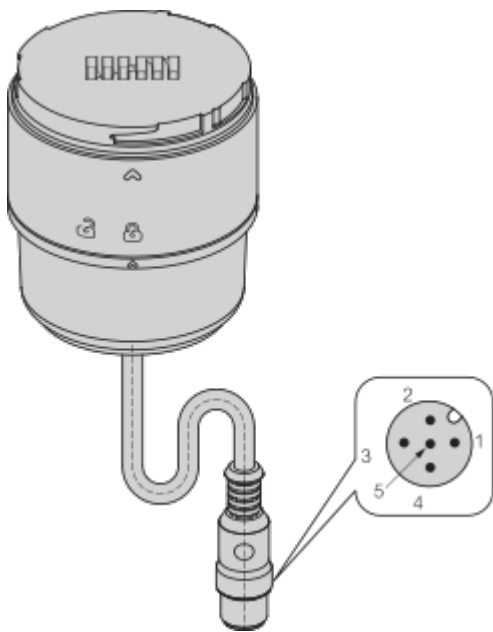
| Drawing | Part Number | Part Description |
|---------|-------------|------------------|
|---------|-------------|------------------|

|              |             |                                    |
|--------------|-------------|------------------------------------|
| A1, A6, A11  | XVB7C21B... | 24V Base Direct / Tube & Cover     |
| A1, A7, A11  | XVB7C31     | IO Link Base Direct / Tube & Cover |
| A1, A8, A11  | XVB7C51     | USB Base Direct / Tube & Cover     |
| A1, A9, A11  | XVB7C61     | M12 Base Direct / Tube & Cover     |
| A1, A10, A11 | XVB7C21M... | AC Base Direct / Tube & Cover      |
| A2           | XVB7C9S...  | 2 Tones Buzzer                     |
| A2           | XVB7C9T     | 8 Tones Buzzer                     |
| A2           | XVB7C9SS    | Self-Adjust Sounder 1 Tone         |
| A3           | XVB7L2...   | Beacon Steady Lens                 |
|              | XVB7L6...   | Beacon Flashing Lens               |
| A4           | XVB7C9V     | Editable Voice Alarm               |
| A5           | XVB7C2...   | Steady Lens                        |
|              | XVB7C5...   | Blinking Lens                      |
|              | XVB7C6...   | Flashing Lens                      |
|              | XVB7CR...   | Rotating Lens                      |
|              | XVB7CM9     | Multi-function Clear lens          |
| A12          | XVZ00       | 1/2" NPT Adapter                   |
| A13          | XVZ02...    | Plastic Fixing Plate With Pole     |
| A14          | XVZ100      | Alu Ø25mm Pole 100mm Length        |
| A15          | XVZ250      | Alu Ø25mm Pole 250mm Length        |
| A16          | XVZ400      | Alu Ø25mm Pole 400mm Length        |
| A17          | XVZ800      | Alu Ø25mm Pole 800mm Length        |
| A18          | XVZ100T     | L Bracket Alu Ø25mm Pole 100mm     |
| A19          | XVZ250T     | L Bracket Alu Ø25mm Pole 250mm     |
| A20          | XVZ01...    | Plastic Fixing Plate               |
| A21          | XVZ11       | Metal Fixing Plate                 |
| A22          | XVZ06...    | Plastic Foldable Bracket           |
| A23          | XVZ09       | Plastic Wall Mount Bracket         |

|     |       |                    |
|-----|-------|--------------------|
| A24 | XVZ07 | Side Entry Adapter |
| A25 | XVZ08 | Magnetic Adapter   |

Connections and Schema

Wiring



|         |                 |
|---------|-----------------|
| IO Link | XVB7C31         |
| Pin 1   | L+              |
| Pin 2   | +24V (optional) |
| Pin 3   | L-              |
| Pin 4   | C/Q             |
| Pin 5   | Not connected   |

Image of product / Alternate images

Alternative

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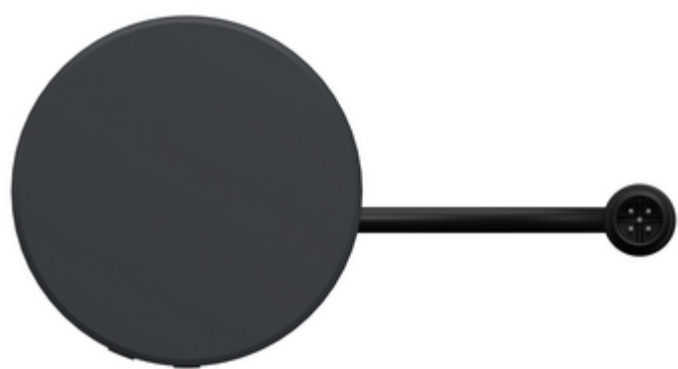




Image of product in real life situation

