BLUE DANUBE
ROBOTICS

Productline Specification

AIRSKIN
Modules

AIRSKIN Module 200 x 100, H0
Product BLASMOD200X100H0

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 200 mm by 100 mm and a mounting structure with magnetic connectors. Total installed thickness is 35 mm and compressed thickness is a maximum of 16 mm.

Weight of Product: 160 g
Weight including Packaging: 250 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

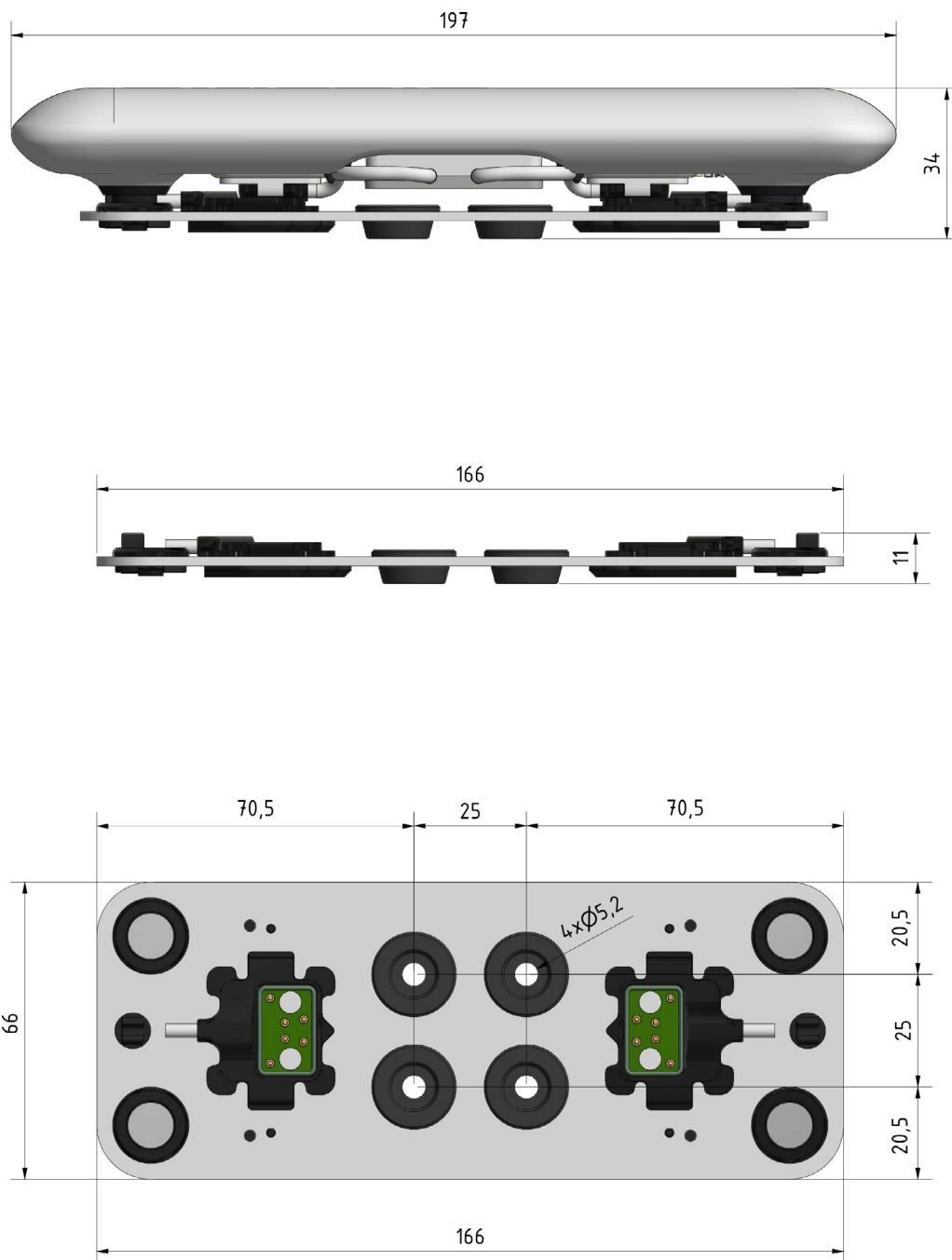### 1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 200 x 100, H0
Product detail

AIRSKIN Module 200 x 100, H1
Product BLASMOD200X100H1

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 200 mm by 100 mm and a mounting structure with magnetic connectors. Total installed thickness is 52 mm and compressed thickness is a maximum of 30 mm.

Weight of Product: 180 g
Weight including Packaging: 350 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

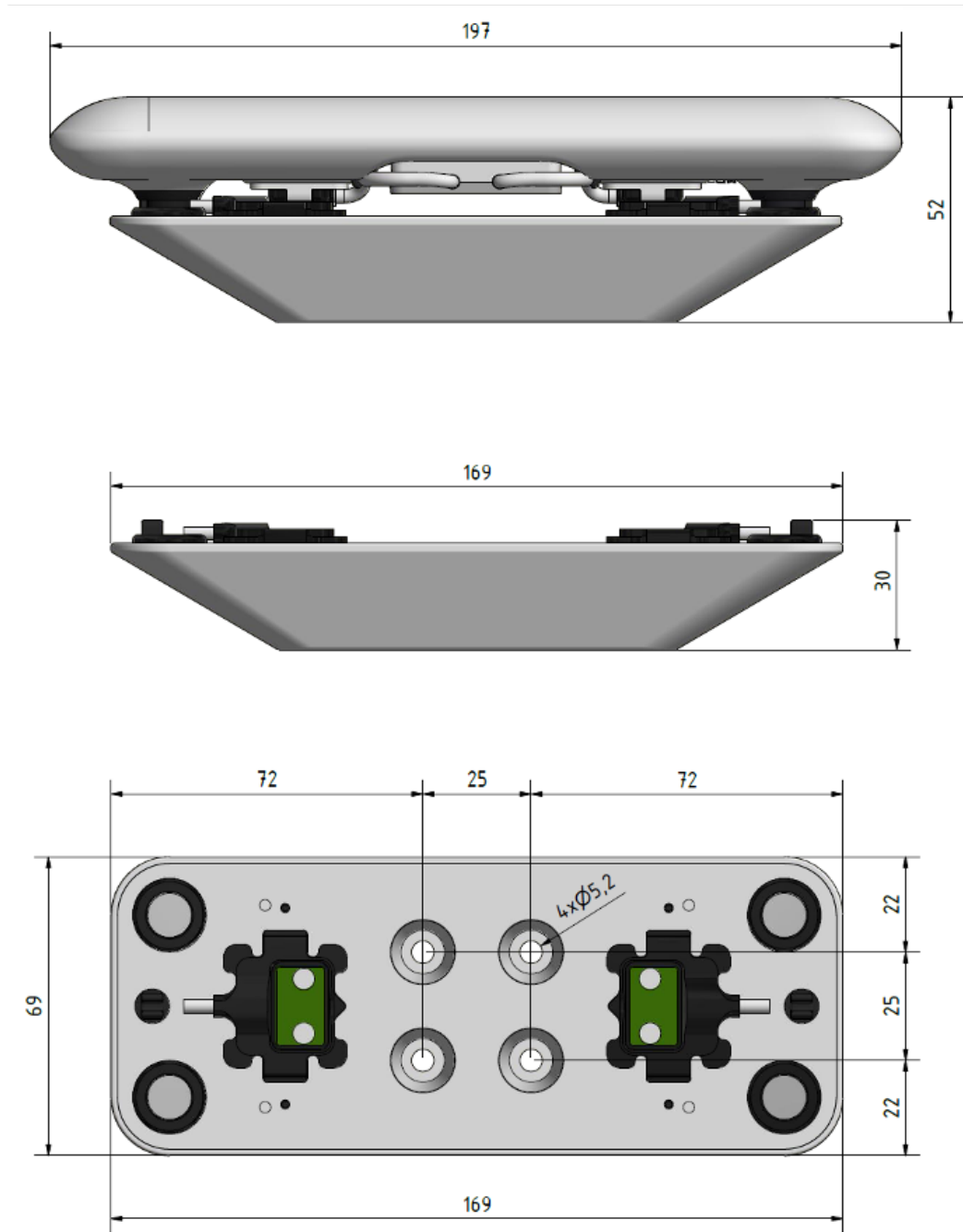### 1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 200 x 100, H1
Product detail

AIRSKIN Module 200 x 200, H0
Product BLASMOD200X200H0

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 200 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 35 mm and compressed thickness is a maximum of 16 mm.

Weight of Product: 240 g
Weight including Packaging: 390 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

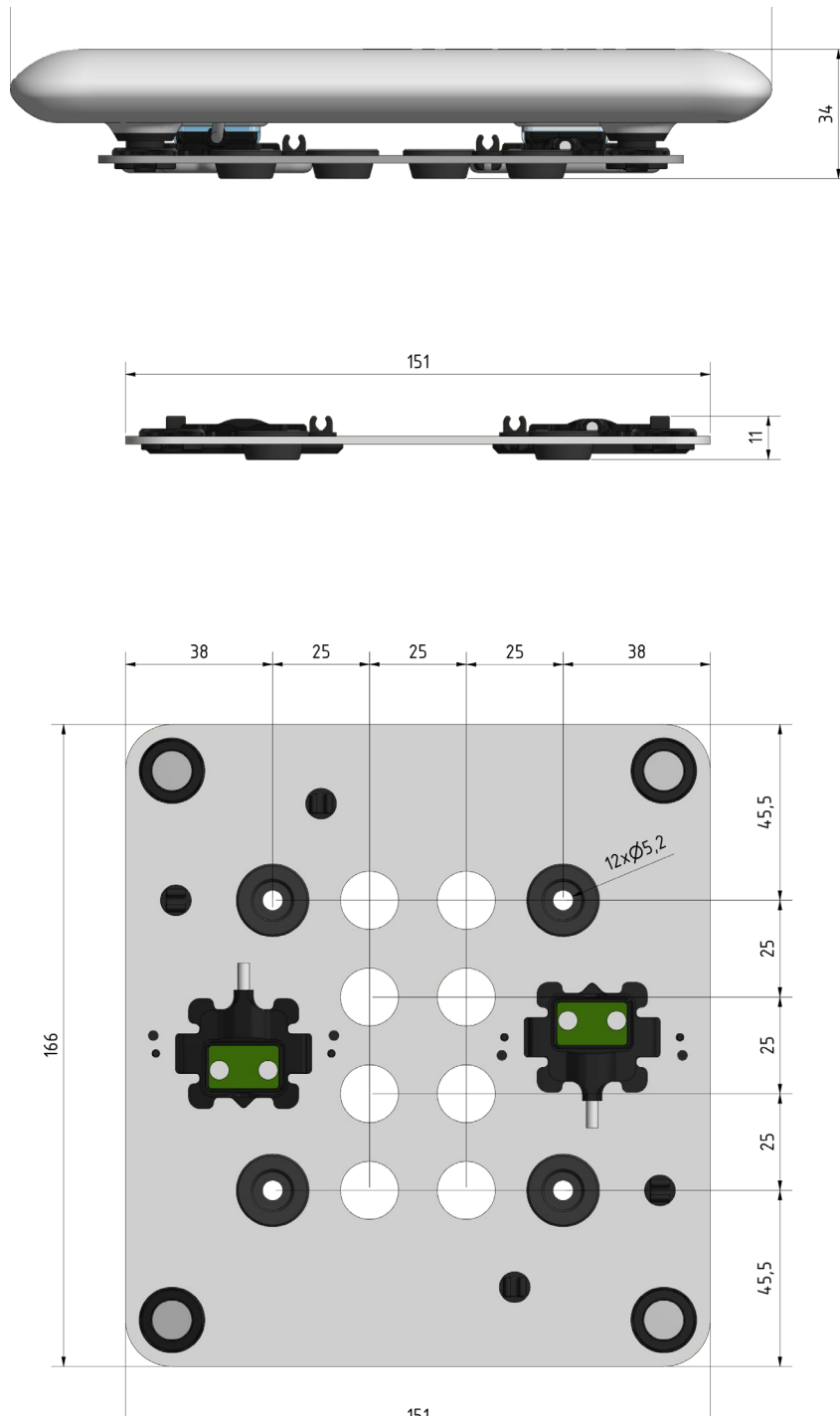### 1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 200 x 200, H0
Product detail

AIRSKIN Module 200 x 200, H1
Product BLASMOD200X200H1

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 200 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 52 mm and compressed thickness is a maximum of 30 mm.

Weight of Product: 280 g
Weight including Packaging: 430 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

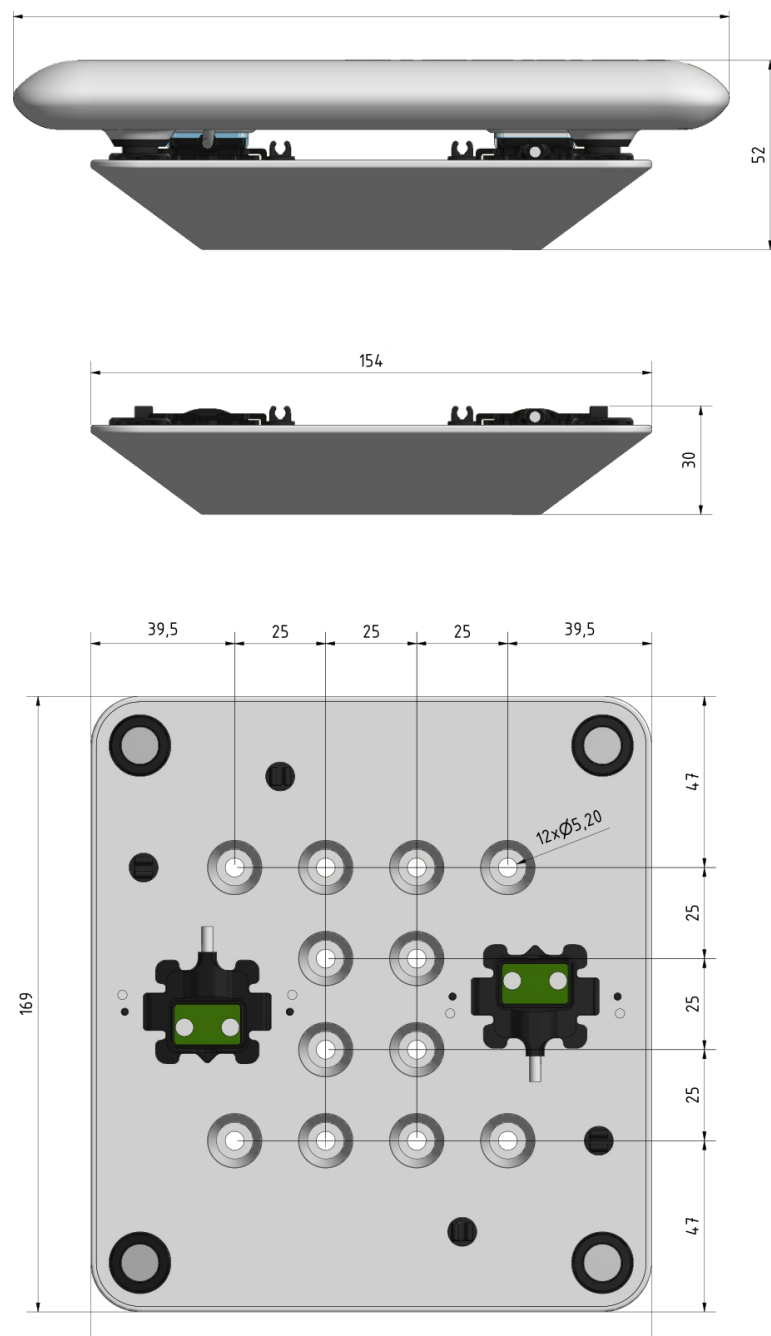### 1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 200 x 200, H1
Product detail

52

154

30

39,5 · 25 · 25 · 25 · 39,5

12xØ5,20

169

47

25

25

25

47

AIRSKIN Module 300 x 200, H0
Product BLASMOD300X200H0

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 300 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 35 mm and compressed thickness is a maximum of 16 mm.

Weight of Product: 340 g
Weight including Packaging: 490 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

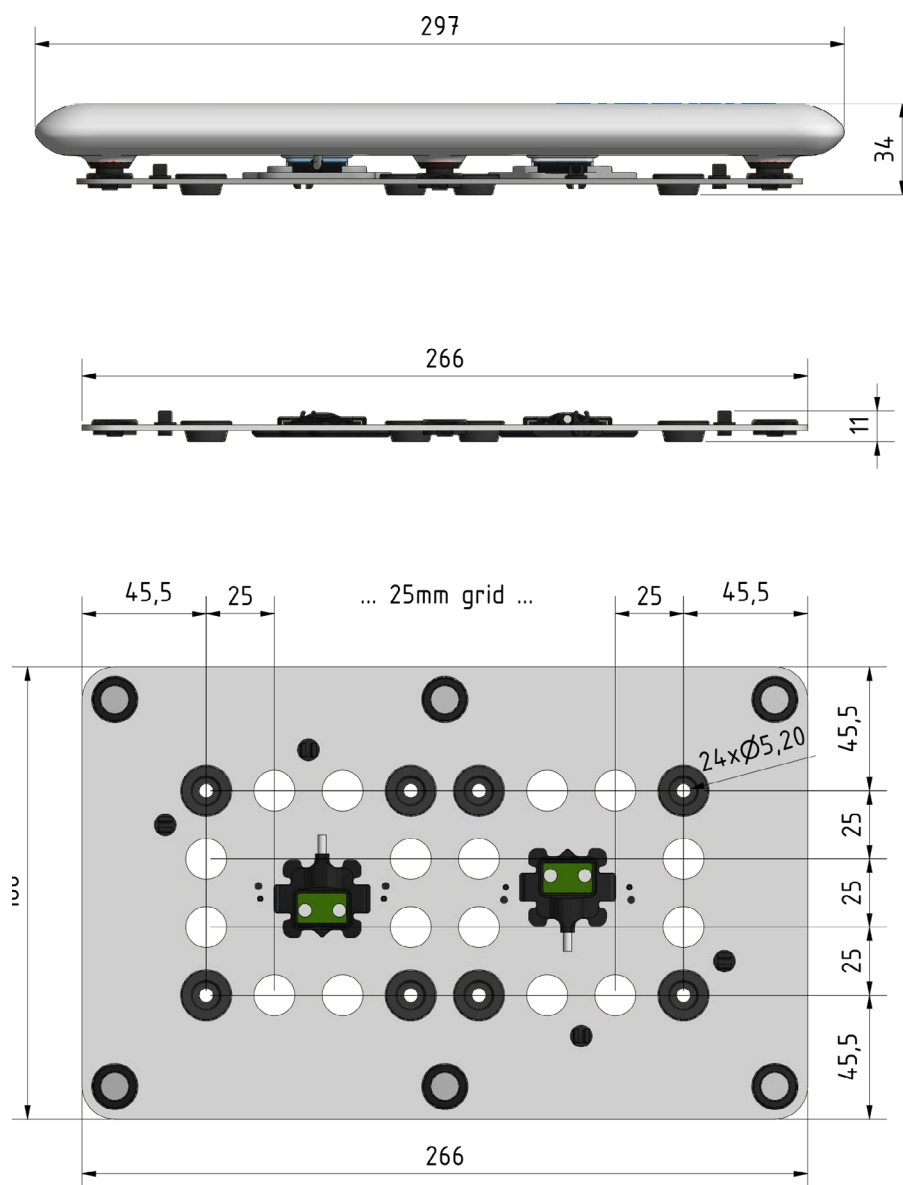### 1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 300 x 200, H0
Product detail

297

34

266

11

45,5 25 … 25mm grid … 25 45,5

24xØ5,20

45,5

25

25

25

45,5

266

AIRSKIN Module 300 x 200, H1
Product BLASMOD300X200H1

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 300 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 52 mm and compressed thickness is a maximum of 30 mm.

Weight of Product: 430 g
Weight including Packaging: 580 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

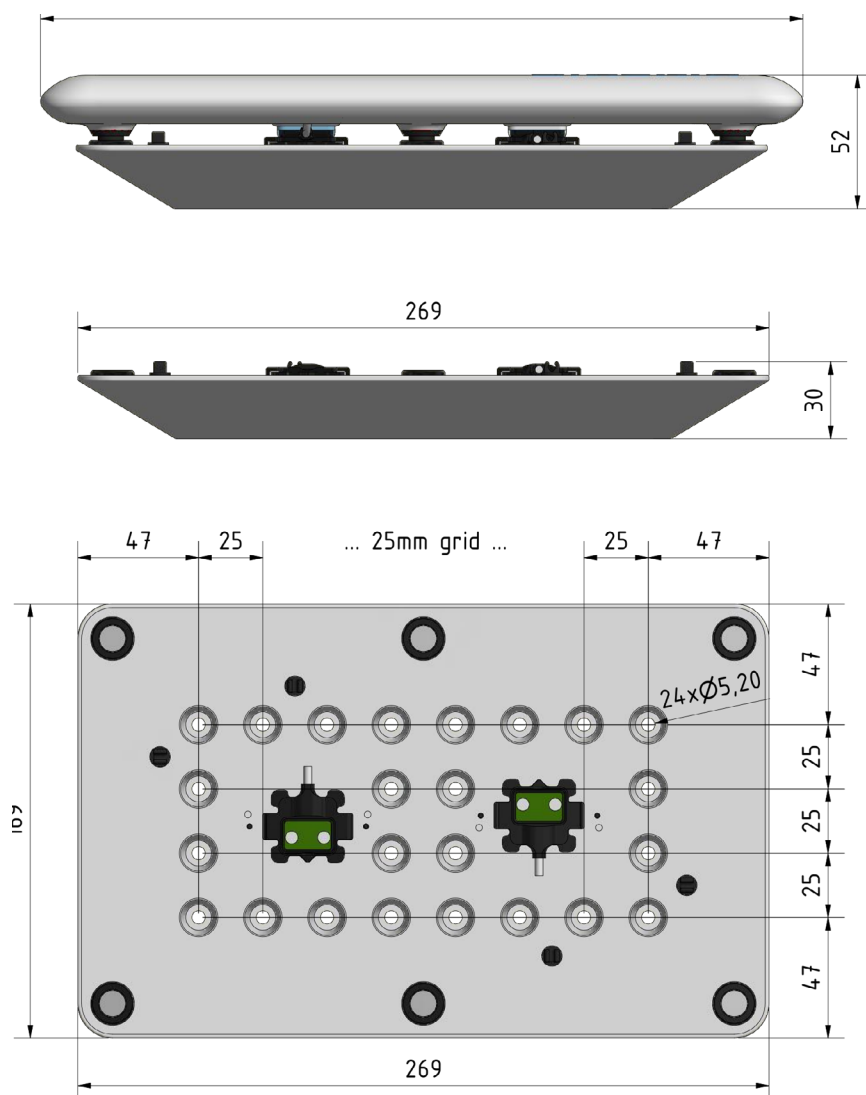### 1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 300 x 200, H1
Product detail

52

269

30

47 25 ... 25mm grid ... 25 47

24×Ø5.20

47

25

25

25

47

101

269

AIRSKIN Module 400 x 200, H0
Product BLASMOD400X200H0

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 400 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 35 mm and compressed thickness is a maximum of 16 mm.

Weight of Product: 430 g
Weight including Packaging: 580 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

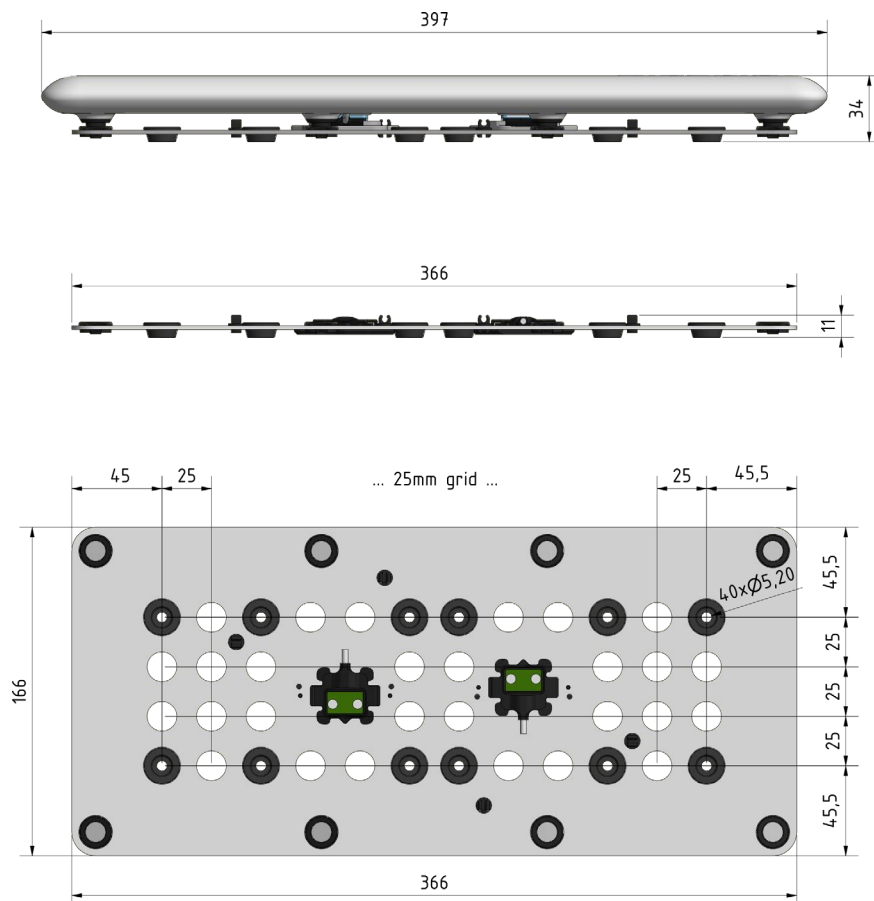### 1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 400 x 200, H0
Product detail

397

34

366

11

45   25   ... 25mm grid ...   25   45,5

45,5

166   40xØ5,20   25

25

25

45,5

366

AIRSKIN Module 400 x 200, H1
Product BLASMOD400X200H1

AIRSKIN Module is a pressure sensitive safety sensor. It consists of a soft AIRSKIN pad with a size of 400 mm by 200 mm and a mounting structure with magnetic connectors. Total installed thickness is 52 mm and compressed thickness is a maximum of 30 mm.

Weight of Product: 560 g
Weight including Packaging: 710 g

Consists of

1 AIRSKIN Pad
white, polyurethane, safety electronics, magnetic connectors

1 Mounting Structure
ABS, connectors for AIRSKIN Pad, cable clamp

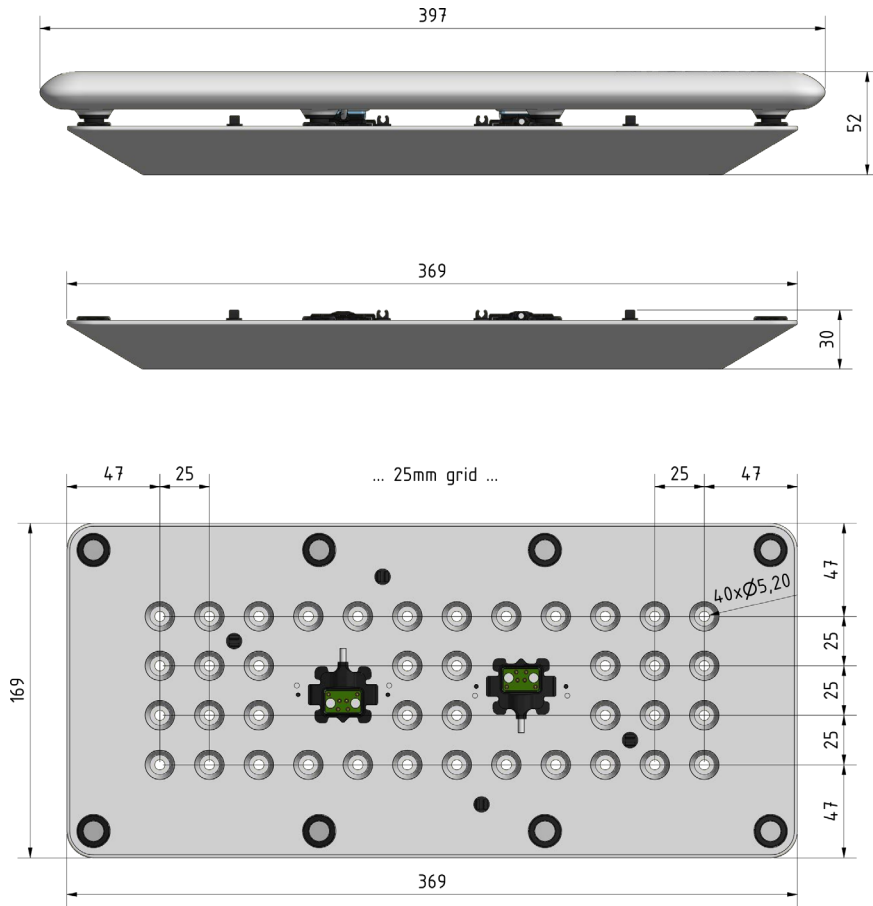### 1 Cable, 400 mm
Cable with integrated connectors on both ends to connect to next AIRSKIN Module.

AIRSKIN Module 400 x 200, H1
Product detail

397

52

369

30

47 25 ... 25mm grid ... 25 47

47

25

169 40xØ5,20

25

25

369 47

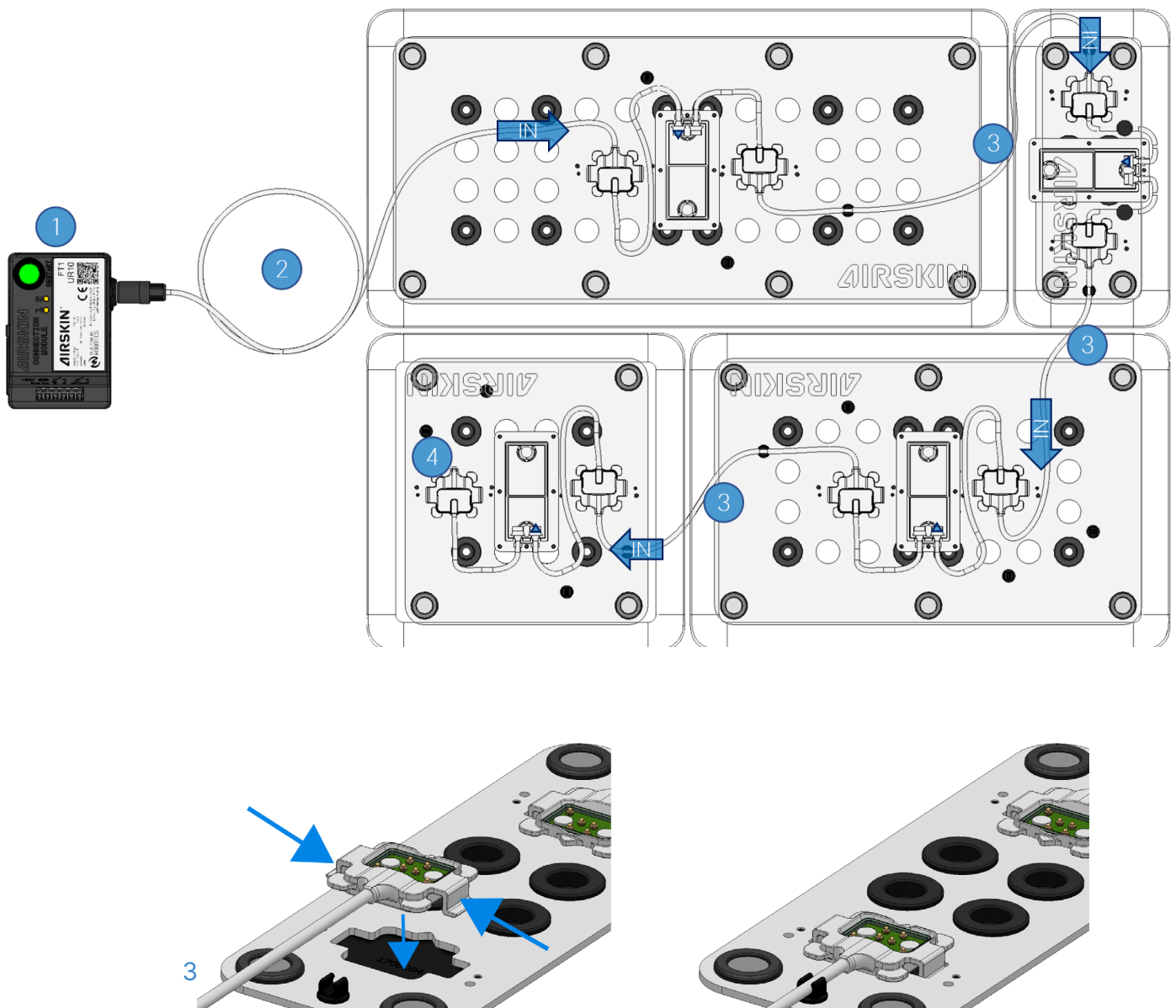*AIRSKIN®*

AIRSKIN Modules
Installation Cabling

Operation of AIRSKIN Modules requires:

AIRSKIN connection box (1) with connection cable (2)

Up to 15 AIRSKIN Modules in series with cables (3)
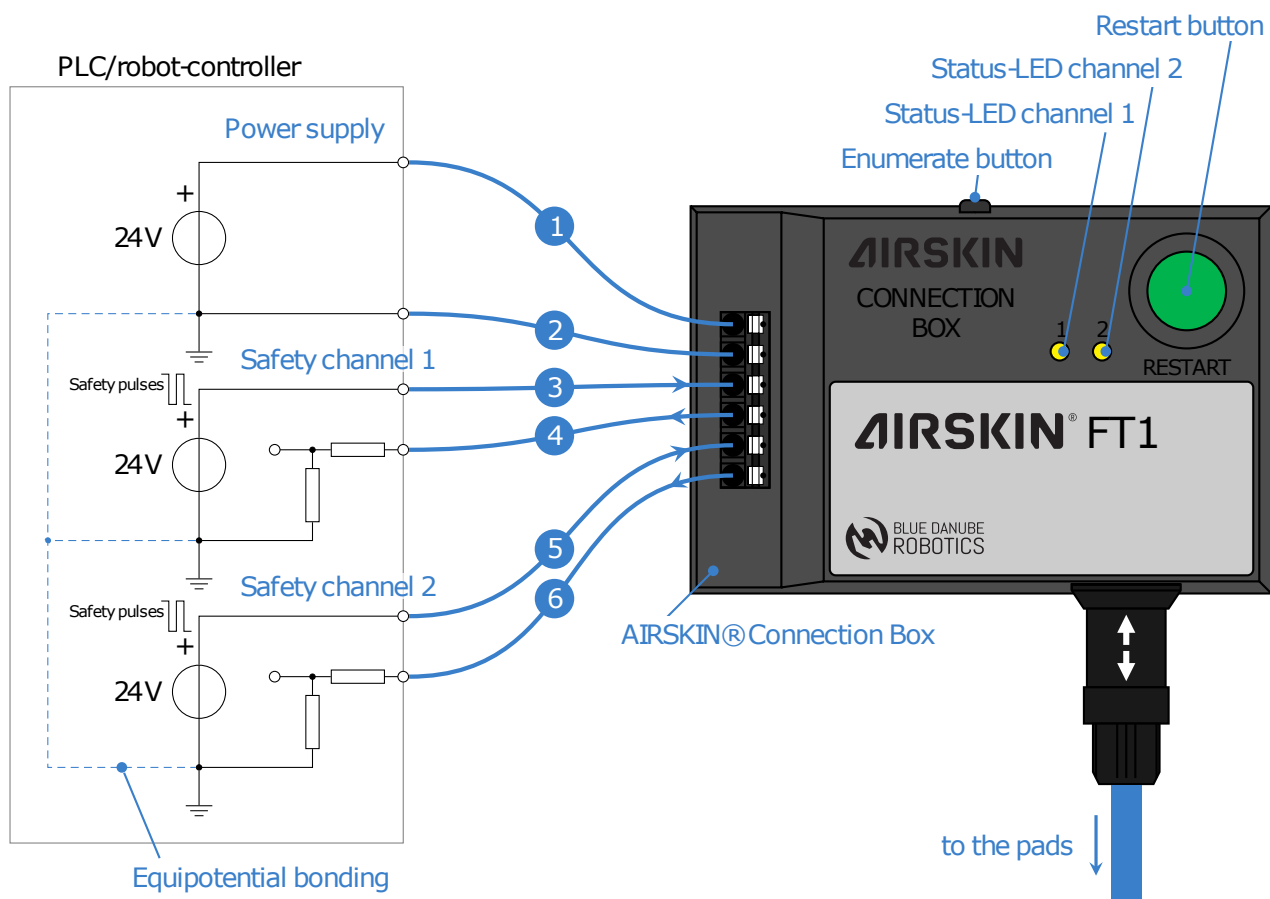
End connector (4)

AIRSKIN Modules
Installation Cabling

Note

- Please read the AIRSKIN manual
- Electrical Connection to robot controller via AIRSKIN Connection Box
- Input voltage (1) +24 V DC
- Current consumption ≤ 0.8 A

- Not potential-free! When using an external power supply, grounds (2) of power supply and robot controller must be connected.

Safety Lines

- Input (3, 5) +24 V DC (test pulses allowed)
- Output (4, 6) +24 V DC (no collision) or 0 V DC (collision or error)

PLC/robot-controller

Power supply

24V

Safety channel 1

Safety pulses

24V

Safety channel 2

Safety pulses

24V

Equipotential bonding

Restart button

Status-LED channel 2

Status-LED channel 1

Enumerate button

AIRSKIN
CONNECTION BOX

1 2 RESTART

AIRSKIN® FT1

BLUE DANUBE ROBOTICS

AIRSKIN® Connection Box

to the pads

BLUE DANUBE
ROBOTICS

Blue Danube Robotics GmbH

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1220 Vienna, Austria

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Commercial Court Vienna

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For more information

CAD Data and Datasheets can be downloaded from:
www.bluedanuberobotics.com/downloads

Installation, Configuration and additional Information:
www.videos.bluedanuberobotics.com