

## ADMIRAL AD 1805

Order Code: 1330411

Body Detection Safety Light Curtain with Automatic Restart



**Safety level**

Type 4 - PL e

**Protected height (mm)**

1810

**Resolution (mm)**

50

**Max. range (m)**

18

**Restart**

Automatic

**Functioning system**

Emitter / Receiver

## Technical Description

Safety Light Curtain: Type 4, SILCL 3, PL e, Cat. 4

Cross Section: 35 x 45 mm

Hardware configuration: no programming necessary, easy to install and replace

Connection and configuration through M12 connectors

Unshielded cables up to 100 m can be used to connect the Safety Light Curtain

What's in the Box: Emitter, Receiver and Standard Fastening Brackets

## Features

|                                             |                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Safety level                                | Type 4 - PL e                                                                                              |
| Protected height (mm)                       | 1810                                                                                                       |
| Resolution (mm)                             | 50                                                                                                         |
| Max. range (m)                              | 18                                                                                                         |
| Restart                                     | Automatic                                                                                                  |
| Functioning system                          | Emitter / Receiver                                                                                         |
| Safety level (SIL / PL)                     | Type 4 - SILCL 3 - PL e - Cat. 4                                                                           |
| Operating temperature (°C)                  | 0 ... 55                                                                                                   |
| Response time (ms)                          | 10                                                                                                         |
| Number of beams                             | 48                                                                                                         |
| Max. length of the connection<br>cables (m) |                                                                                                            |
| Signalling                                  | 7 segment display and LEDs for light curtain's status and<br>diagnostics                                   |
| Safety output type                          | 2 fail-safe PNP (500 mA at 24 VDC) with protection against<br>short circuit, overload and reverse polarity |
| Connections                                 | M12 5-pole connectors                                                                                      |
| MTTFD (ISO13849) years                      | 99,66                                                                                                      |
| PFHD (IEC 61508)                            | 0,000000017                                                                                                |
| Safety outputs                              | 2 OSSD PNP (500 mA at 24 VDC)                                                                              |
| Safety functions                            | With external module                                                                                       |
| Detection                                   | Body                                                                                                       |
| Protective enclosures                       | None                                                                                                       |

## ADMIRAL AD 1805

|                                    |                  |
|------------------------------------|------------------|
| Packaging dimensions HxLxW<br>(mm) | 145 x 1980 x 200 |
|------------------------------------|------------------|

|               |   |
|---------------|---|
| Product class | C |
|---------------|---|

|               |          |
|---------------|----------|
| Custom tariff | 85365019 |
|---------------|----------|

## Electrical data

|                    |          |
|--------------------|----------|
| Power supply (VDC) | 24 ± 20% |
|--------------------|----------|

## Mechanical data

|                     |      |
|---------------------|------|
| Overall height (mm) | 1911 |
|---------------------|------|

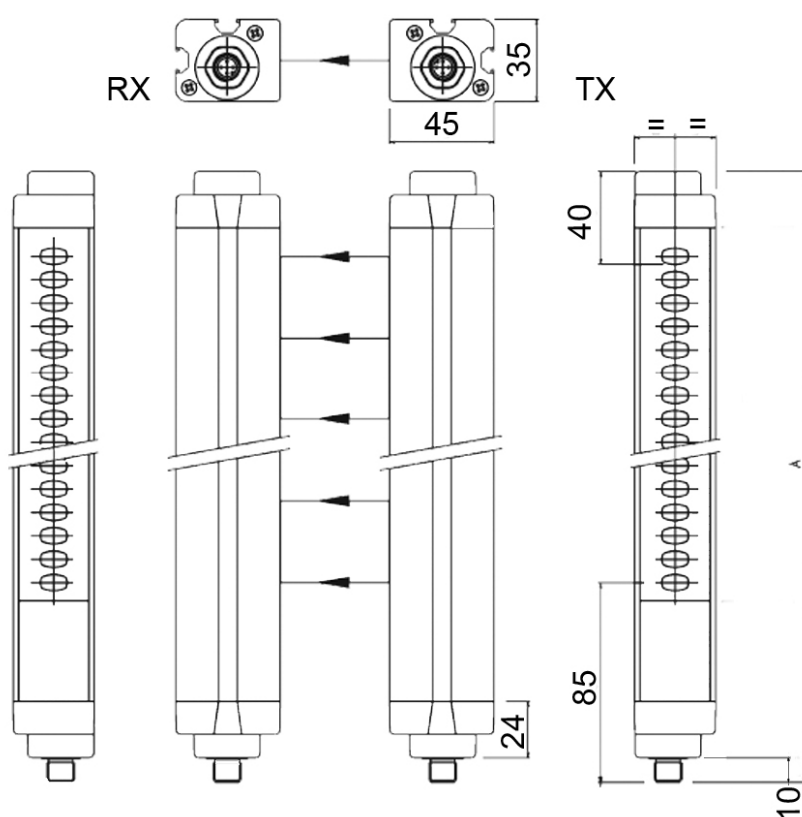
|                               |         |
|-------------------------------|---------|
| Cross section dimensions (mm) | 35 x 45 |
|-------------------------------|---------|

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|----------------------|------|

|           |                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------|
| Fastening | Back slot, side slot with set of LS type brackets (included) or to the top and lower end with SFB swivel brackets (optional) |
|-----------|------------------------------------------------------------------------------------------------------------------------------|

|                  |         |
|------------------|---------|
| Gross weight (g) | 8701,36 |
|------------------|---------|

## Technical drawings



## Certificates

