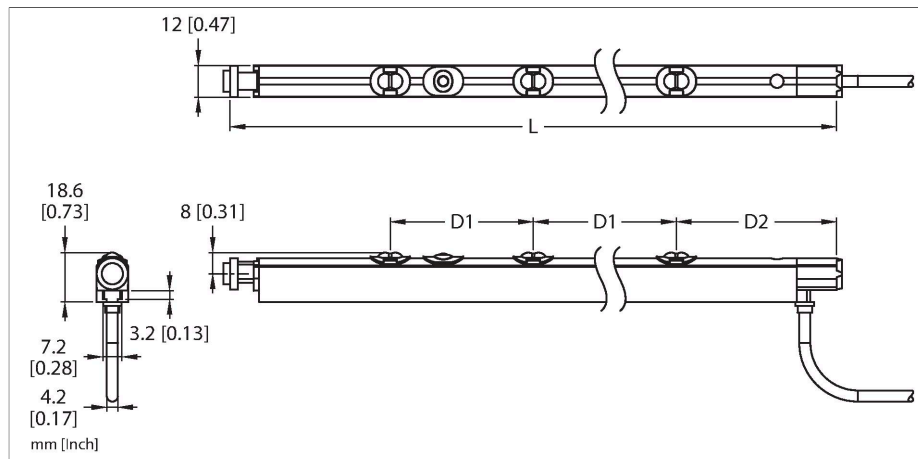


# TTR891APSC7D-2.0RJ-CTR

## Photoelectric Sensor – Reflex Light Grid

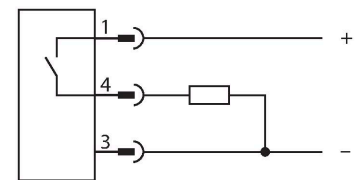
### Roller Conveyor Sensor



#### Features

- Overall length/frame size "L": 891 mm
- Infrared light beams
- Range: 120 mm
- Beam distance "D1": 108 mm
- Beams centered between frames
- Operating voltage: 18...30 VDC
- Switching output: PNP, light operation
- D-type end cap: 11-mm hexagonal shape, flat end on the top and 8-mm spring

#### Wiring diagram



#### Functional principle

The TTR roller conveyor sensors are designed to be used directly between the rollers on conveyor systems. The narrow cone angle of the light beams and the number of beams per sensor allow papers, packages, bags, etc. to be reliably detected. The sensors have a compact design and can be mounted in positions with restricted space without any additional accessories or by using mounting brackets for the T-grooves. The part key number allows you to select from a wide range of different sensors that can be precisely adapted to different customer requirements. For example, there are a variety of end caps to choose from. Information on both sides is provided above; the first side means the end cap at the cable outlet. For more information and other designs, please refer to the instruction leaflet.

#### Technical data

|                              |                        |
|------------------------------|------------------------|
| Type                         | TTR891APSC7D-2.0RJ-CTR |
| ID                           | 3809747                |
| <b>Optical data</b>          |                        |
| Function                     | Proximity switch       |
| Operating mode               | Diffuse                |
| Light type                   | IR                     |
| Wavelength                   | 940 nm                 |
| Light spot diameter          | 12 mm                  |
| Optical resolution           | 108 mm                 |
| Range                        | 0...120 mm             |
| Number of beams              | 7                      |
| Scan Code                    | None                   |
| <b>Electrical data</b>       |                        |
| Operating voltage            | 18...30 VDC            |
| Residual ripple              | < 10 % U <sub>ss</sub> |
| DC rated operational current | ≤ 45 mA                |
| Short-circuit protection     | yes                    |
| Reverse polarity protection  | yes                    |
| Output function              | NO contact, PNP        |
| Switching frequency          | ≤ 1000 Hz              |
| Readiness delay              | ≤ 1500 ms              |
| Response time typical        | < 1 ms                 |
| <b>Mechanical data</b>       |                        |
| Design                       | Rectangular, TTR       |
| Dimensions                   | 891 x 12 x 18.6 mm     |
| Housing material             | Metal, AL, Black       |

## Technical data

|                        |                                      |
|------------------------|--------------------------------------|
| Lens                   | plastic, Polycarbonate               |
| Cascadable             | No                                   |
| Electrical connection  | Cable with connector, RJ11, 2 m, PVC |
| Number of cores        | 4                                    |
| Ambient temperature    | -10...+55 °C                         |
| Storage temperature    | -10...+55 °C                         |
| Relative humidity      | 0...95 %                             |
| Protection class       | IP50                                 |
| Switching state        | LED, Yellow                          |
| <b>Tests/approvals</b> |                                      |
| Approvals              | CE<br>cULus                          |