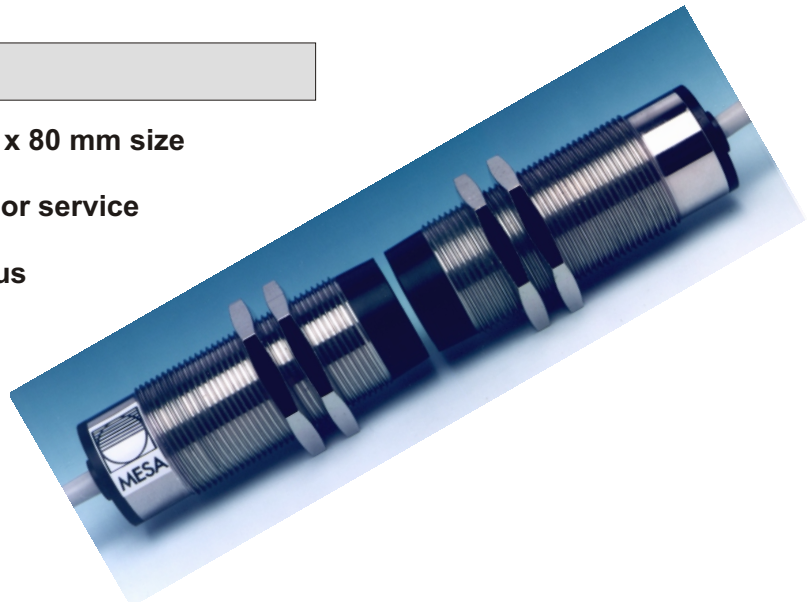


## GENERAL

The Power Coupling Unit SPS consists of two parts; a Transmitter Module (-T) and a Receiver Module (-R). The SPS can transmit, without contact 24 V dc at 160 mA across an air gap of 2 mm. The SPS-R's regulated voltage can be used to power magnetic valves, relays, actuators on rotary indexing tables and moving equipment. Both the -T and -R are housed in a small compact M30 x 80 mm cylindrical industrial case. When positioned opposite each other, the -T power is immediately transmitted to the -R. Activation is made by a PLC or by supplying 24 V dc to the stationary -T. The SPS needs no maintenance as there are no mechanical parts to wear out or service.

## BENEFITS

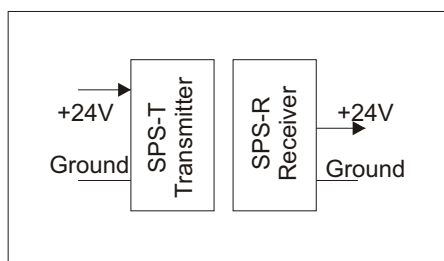
- Easy to install, compact M30 x 80 mm size
- No moving parts to wear out or service
- LED indicates operating status
- No maintenance required
- Input polarity protected
- Overvoltage protection
- Output short circuit proof



## APPLICATION

- Assembly lines
- Punching machine
- Rotary indexing table
- Relays, Valves, Actuators

## PRINCIPLE



The SPS coupling device is suitable to replace mechanical connectors. Especially in very demanding industrial conditions, including machine coolant, dust, water and oil. Immediately after a 24V dc is supplied to the Transmitter the receiver will supply 24V dc to its load. The stationary 24V dc can be delivered directly out of a PLC. The operating status will be indicated on integrated LED's. Any numbers of switch on and off can be realized without any service or machine stoppage.

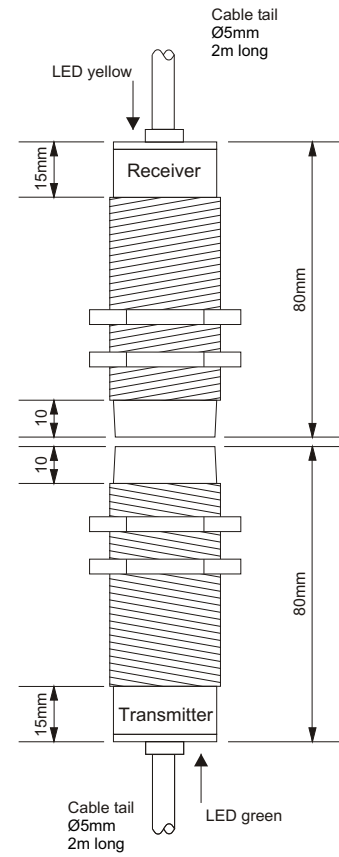
## ORDERING INFORMATIONS

Art.	Description
95000021	SPS-Transmitter
95000011	SPS-Receiver

## TECHNICAL DATA

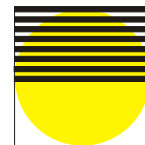
SPS-T (in)	24 V DC±10%/500 mA max.
SPS-R (out)	24 V DC±10%/160 mA max.
Air gap	2 mm, ±1 mm
Max. radial offset	3 mm
Indication (active)	SPS-T : LED green SPS-R : LED yellow
Dimension	M30x80 mm
Cable, shielded	2 m long, 5 mm Ø
Wiring	brown: +24 V DC white : - Ground
Mounting	M30x1.5 mm thread
Material	Brass/nickel case with Delrin tip
Operating temperature	0..50°C
Time to activation	<50 ms
Weight	530 g

## DIMENSIONS



## HINTS

- Max. output power is available only as soon -T and -R are located opposite each other.
- One -T is able to drive more than one -R (one after each other).
- The front Delrin tip should not be surrounded by metallic parts (unshielded).
- Using -T at 24V without -R is not recommended, unless -T has good heat transfer capability.
- Shield should be applied directly to -T/-R enclosure.



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