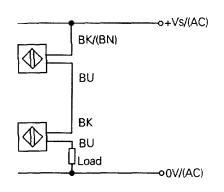
Electrical specifications

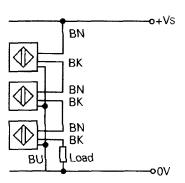
Series switching

The voltage drop across each conducting sensor reduces the voltage available to drive the load. The number of proximity switches which can be connected in series is therefore limited and may be worked out by summing the individual voltage drops plus the load requirement.

2-wire AC/DC

These units may be connected as shown. This does not apply to NAMUR sensors. Series connection of 2-wire devices is not recommended.





3-wire DC (PNP circuit shown)

The number of switches connected in series is limited by the total amount of voltage drop.

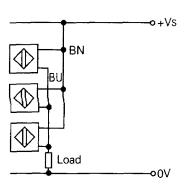
Parallel switching

2-wire DC

These may be connected as shown. Note: combined off-state current of all sensors in parallel flows via the load resistor.

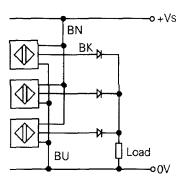
2-wire AC

Parallel switching of AC type sensors is not recommended since the starting oscillations can cause false triggerings.



3-wire DC

3-wire DC sensors may be connected in parallel as shown. A parallel connection, however, must incorporate a decoupling diode.



Fiber optics program for series 18, 30

Glass fiber optics A-type

Series 18



- 1: Fiber optics
- 2: Adjusting plate
- 3: Cap nut

Series 30

- 1: Fiber optics
- 2: Adapter
- 3: Cap nut
- 4: Cover
 Remove and discard this cover when using with fiber optic cable.



Mounting

The adjusting plate and the cap nut are supplied with each fiber optic cable. In case of damage or loss they can be ordered as an accessory under the following part numbers:

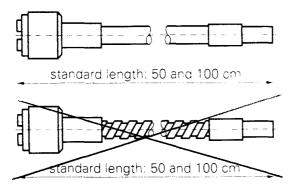
Adjusting plate	101958
Cap nut	101480

Mounting

The correct adapter and the cap nut must to be ordered separately with each fiber optic cable as an accessory under the following part numbers:

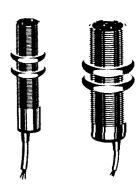
Adapter 102757 Cap nut 102801

Reflective types



Available in either plastic or metal sheaths. The reflective types come in standard lengths of 50 and 100 cm with randomly assembled fibers.

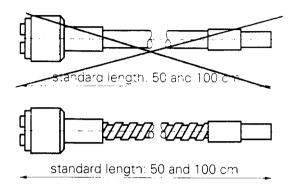
Series 18 Series 30



Adapter and cap nut must be ordered separately when used with series 30

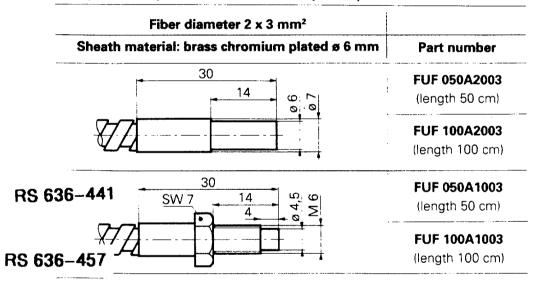
	ber diameter 2 x 0.5 mm² ath material: PVC ø 2,5 mm	Part number	Sensing	Distaince
RS 631–610	25 LS M	FUE 050A2004 (length 50 cm)	10 mm	35 mm
-	0 0	FUE 100A2004 (length 100 cm)	5 mm	30 mm
RS 636-463	ø 9 5	FUE 050A4004 (length 50 cm)	10 mm	35 mm
	16	FUE 100A4004 (length 100 cm)	5 mm	30 mm

Reflective types

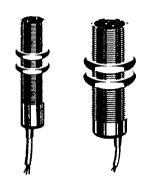


Available in either plastic or metal sheaths. The reflective types come in standard lengths of 50 and 100 cm with randomly assembled fibers.

Adapter and cap nut must be ordered separately when used with series 30

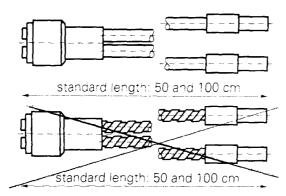


Series 18 Series 30



Sensing Distance	
60 mm	210 mm
55 mm	200 mm
60 mm	210 mm
55 mm	200 mm

Through beam types

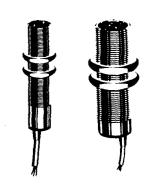


Fiber optics available with plastic or metal sheaths. The through beam types come in standard lengths of 50 and 100 cm with randomly assembled fibers.

Adapter and cap nut must be ordered separately when used with series 30

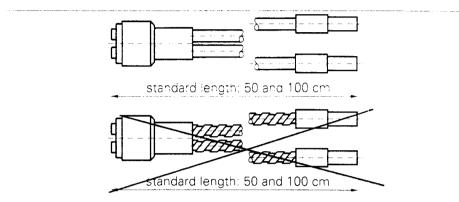
Fiber diameter 2 x 1 mm ² Sheath material: PVC ø 2,5 mm		
		Part number
RS 636-479	Ø 9 5	FSE 050A4003 (length 50 cm)
, ; ;	4 9	FSE 100A4003 (length 100 cm)

Series 18 Series 30



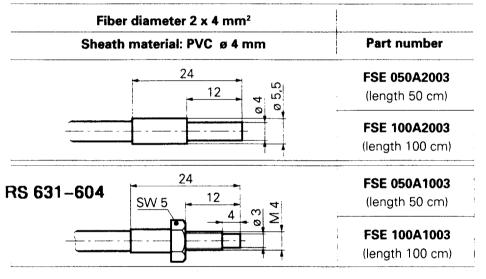
Actual	and Bear Spiriters
90 mm	450 mm
90 mm	500 mm

Through beam types



Fiber optics available with plastic or metal sheaths. The through beam types come in standard lengths of 50 and 100 cm with randomly assembled fibers.

Adapter and cap nut must be ordered separately when used with series 30



Series 18 Series 30



	ar turbi.	au insus
4	Actual	Range
Ì,		

The state of the s	
310 mm	500 mm
300 mm	1,4 m
310 mm	500 mm
300 mm	1,4 m

Part number key

