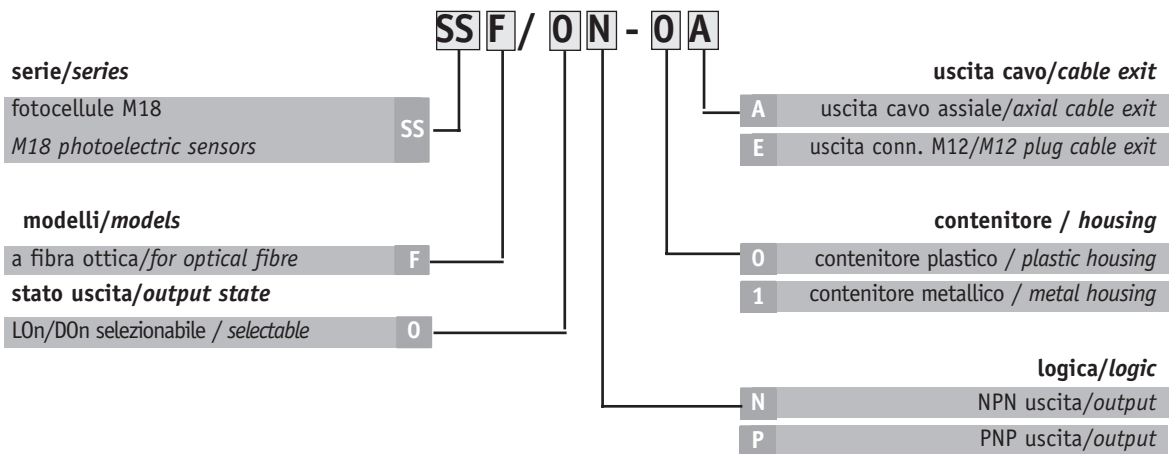




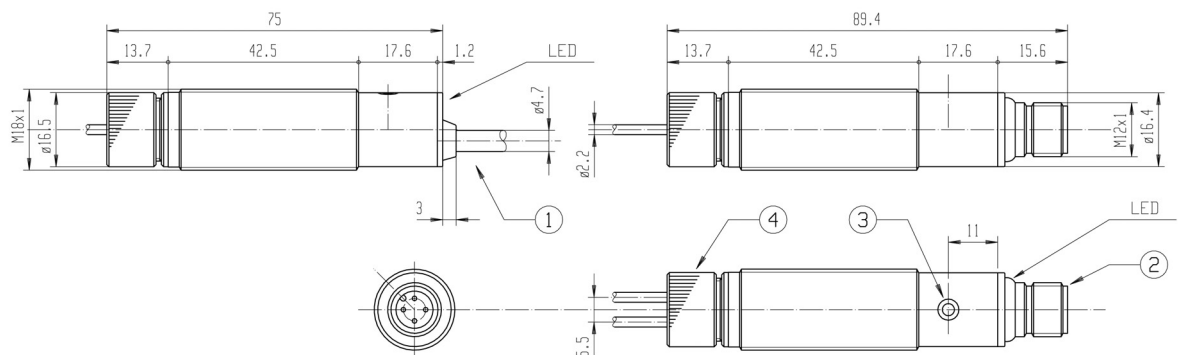
- Nuovi modelli con regolazione della sensibilità mediante tasto teach-in
- Vasta gamma di fibre ottiche disponibili
- Indicatore LED in tutti i modelli
- Totalmente protetti contro danneggiamenti di tipo elettrico

- *New models with sensitivity adjustment by teach-in button*
- *With range of optical fibres are available*
- *LED status indicator for all versions*
- *Complete protection against electrical damages*

## Identificazione modelli - Ordering system



## Dimensioni - dimension



1. Uscita cavo 4x0,34 mm<sup>2</sup>, Ø4,7 mm, PVC, 2m
2. Uscita connettore M12
3. Pulsante di teach-in
4. Ghiera per il fissaggio fibra

1. Cable exit 4x0,34 mm<sup>2</sup>, Ø4,7 mm, PVC, 2m
2. M12 plug cable exit
3. Teach-in button
4. Locking ring nut

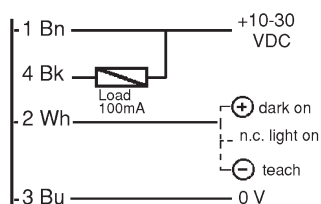


## Specifiche - Specifications

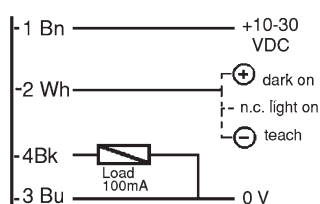
Tipo / Type	fotocellula M18 a fibra ottica / M18 photoelectric sensor for optical fibre
Modello / Model	SSF/0*-.**
<b>Distanza di rilevazione nominale</b> <i>Nominal sensing distance</i>	a seconda delle fibre ottiche / <i>depending on optical fibres</i> (50mm CF/CB1-**, 120mm CF/RB6-**)
Emissione / Emission	rosso / <i>red</i>
Tolleranza / Tolerance	+15%/-5%
Corsa differenziale / <i>Differential travel</i>	≤10%
Ripetibilità / <i>Repeat accuracy</i>	5%
<b>Tensione di alimentazione</b> <i>Operating voltage</i>	10-30Vdc
Ondulazione residua / <i>Ripple</i>	≤10%
<b>Corrente di uscita / Load current</b>	100mA
Corrente assorbita / <i>No-load current</i>	≤20mA
Corrente di perdita / <i>Leakage current</i>	≤10µA
Caduta di tensione in uscita <i>Output voltage drop</i>	2V max.
<b>Tipo uscita / Output type</b>	NPN o / or PNP - LOn/Don selezionabile / <i>selectable</i>
Frequenza di commutazione <i>Switching frequency</i>	800Hz
Ritardo alla disponibilità <i>Time delay before availability</i>	150ms
<b>Protezioni elettriche alimentazione</b> <i>Supply electrical protections</i>	inversione di polarità, sovratensioni impulsive <i>polarity reversal, transient</i>
Protezioni elettriche uscita <i>Output electrical protections</i>	cortocircuito (autoripristinante) <i>short circuit (autoreset)</i>
<b>Limiti di temperatura</b> <i>Temperature range</i>	-25°...+70° (senza condensa / <i>without freeze</i> )
Deriva termica/Temperature drift	10% Sr
Interferenza alla luce esterna <i>Interference to external light</i>	3000lux (lampada ad incandescenza / <i>incandescent lamp</i> ); 10000lux (luce solare / <i>sunlight</i> )
<b>Grado di protezione (DIN 40 050)</b> <i>Protection degree (DIN 40 050)</i>	IP67 (EN60529)
Indicatori LED/LED indicators	giallo / <i>yellow</i>
Regolazione sensibilità <i>Sensitivity adjustment</i>	Teach-in
<b>Materiale contenitore</b> <i>Housing material</i>	PBT (plastico), ottone nichelato (metallico) <i>PBT (plastic), nickel-plated brass (metal)</i>
Materiale ottica/Optic material	a seconda delle fibre ottiche/ <i>depending on optical fibres</i>
Coppia serraggio/Tightening torque	40 Nm (corpo metallico/metal housing)
Peso (appross.)/Weight (approx.)	100g (plastico/plastic), 120g (metallico/metal)

## Connessioni - Wiring diagrams

NPN uscita/output

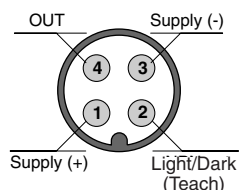


PNP uscita/output



## Connettori - Connectors

M12 (tipo/type H)



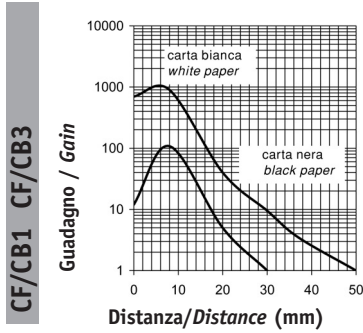
serie SSF - serie SSF



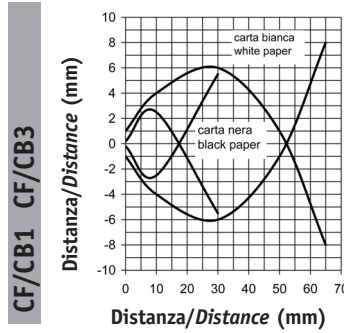


## Curve caratteristiche - Characteristic curves

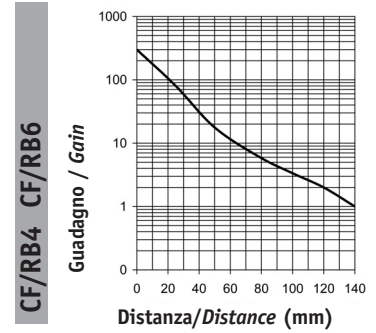
- Eccesso di guadagno
- Excess gain



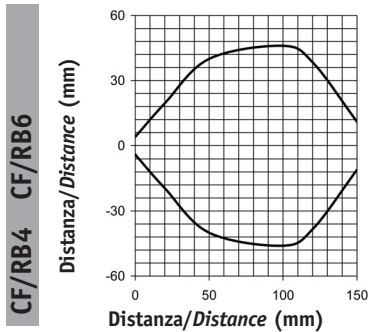
- Disassamento parallelo
- Parallel displacement



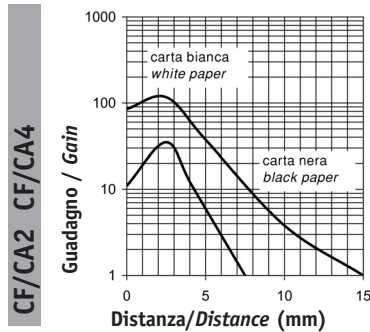
- Eccesso di guadagno
- Excess gain



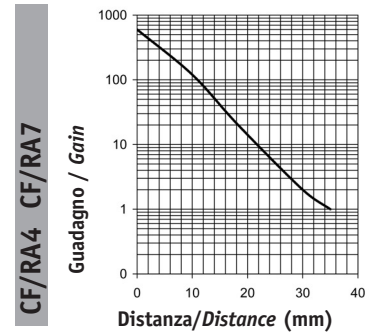
- Disassamento parallelo
- Parallel displacement



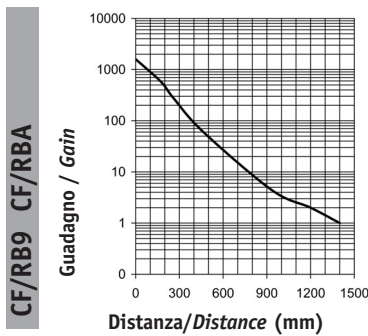
- Eccesso di guadagno
- Excess gain



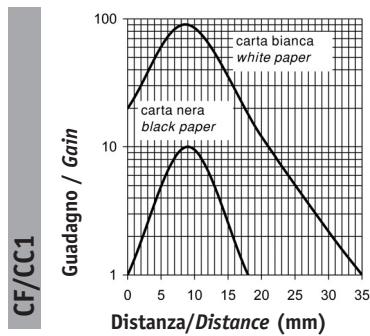
- Eccesso di guadagno
- Excess gain



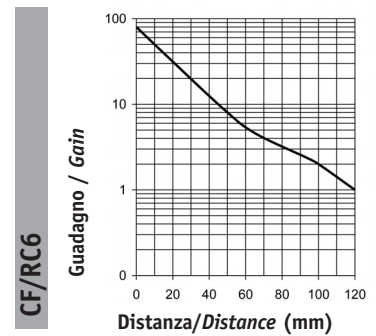
- Eccesso di guadagno
- Excess gain



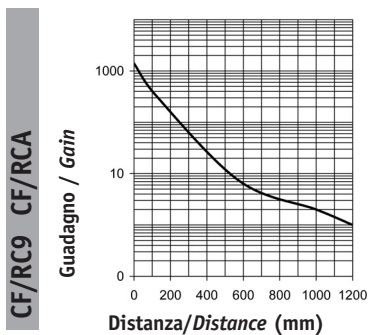
- Eccesso di guadagno
- Excess gain



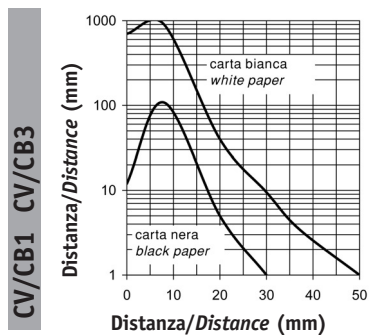
- Eccesso di guadagno
- Excess gain



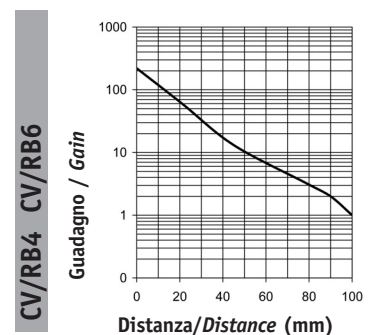
- Eccesso di guadagno
- Excess gain



- Eccesso di guadagno
- Excess gain



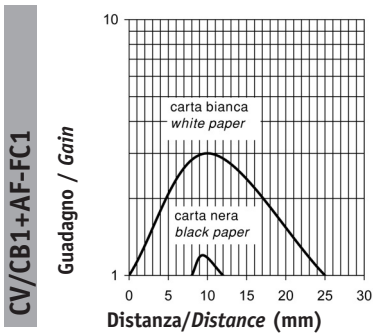
- Eccesso di guadagno
- Excess gain



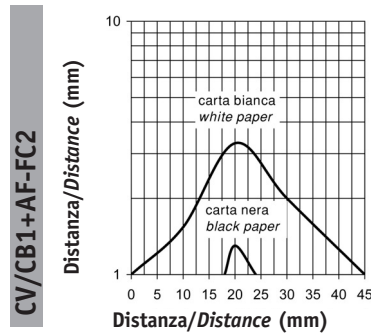


## Curve caratteristiche - Characteristic curves

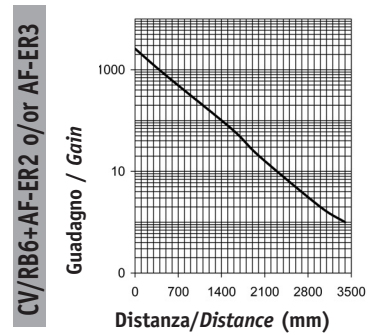
- Eccesso di guadagno
- Excess gain



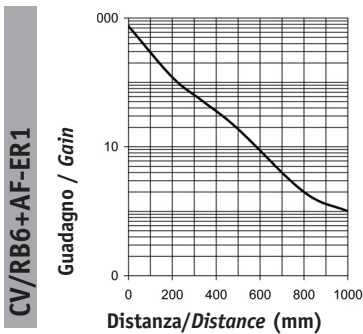
- Eccesso di guadagno
- Excess gain



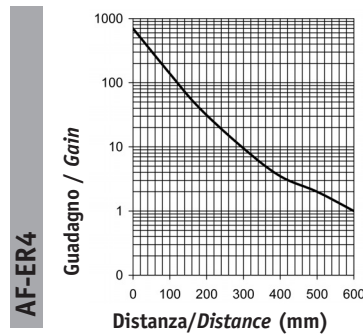
- Eccesso di guadagno
- Excess gain



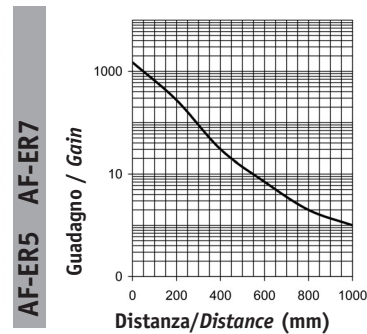
- Eccesso di guadagno
- Excess gain



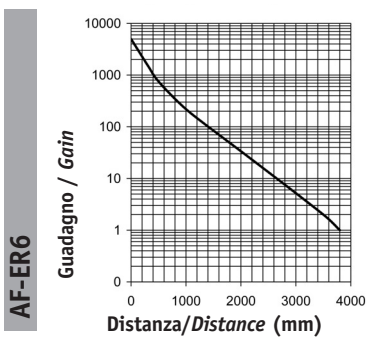
- Eccesso di guadagno
- Excess gain



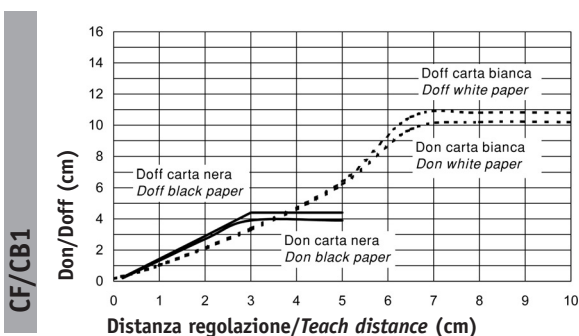
- Eccesso di guadagno
- Excess gain



- Eccesso di guadagno
- Excess gain



- Regolazione
- Sensitivity adjustment



- Regolazione
- Sensitivity adjustment

