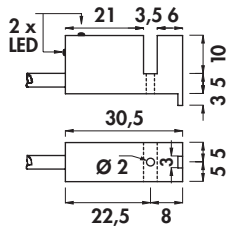
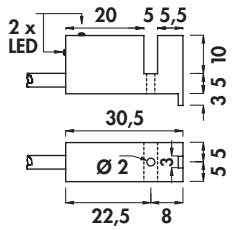
• Amplified in d.c. 3 and 4 wires
• Cable output

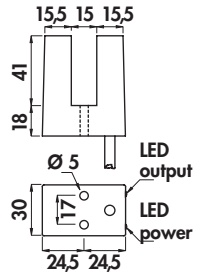
Housing Z



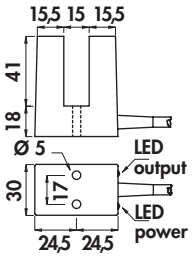
Housing R



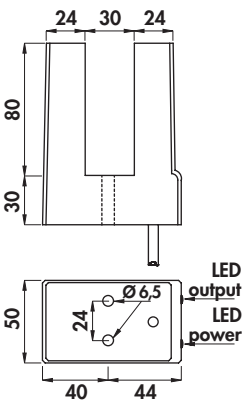
Housing T



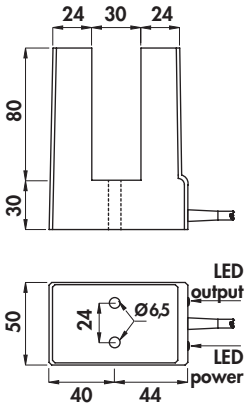
Housing T -1

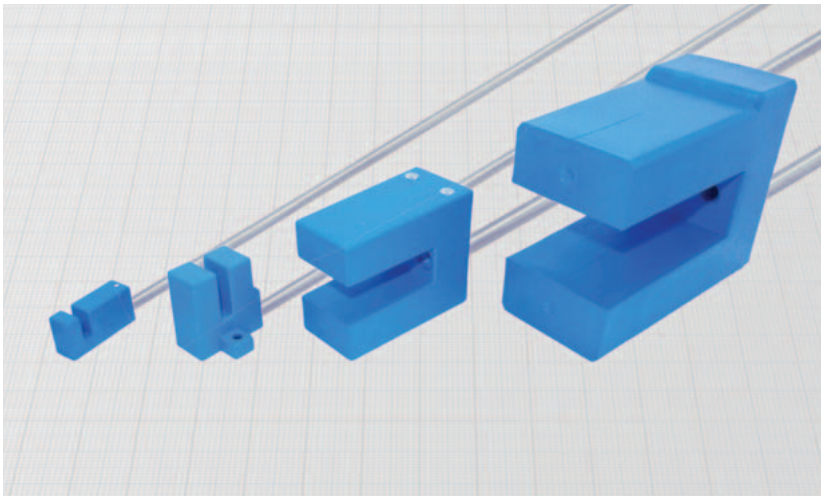


Housing V



Housing V -1





Technical data:

- Supply voltage(U_B) tipi DCF3,5/… and DCF5/… 10 ÷ 30 Vdc
- Supply voltage (U_B) tipi DCF15/… and DCF30/… 10 ÷ 60 Vdc
- Max ripple: 10%
- No-load supply current (I_o): ≤ 10 mA
- Voltage drop (U_d): ≤ 2,2 V
- Temperature range: - 25° ÷ + 70°C
- Max thermal drift of sensing distance S_r: ± 10%
- Repeat accuracy (R): 2%
- Switching hysteresis (H): 10%
- Degree of protection: IP67
- Switch status indicator: yellow LED
- Cable conductor cross section
  0,22 mm² on DCF3,5/… and DCF5/…
  0,50 mm² on DCF15/… and DCF30/…
- Protected against short-circuit and overload (versions with letter K)
- Protected against any wrong connection
- Suppression of initial false impulse
- Electromagnetic compatibility (EMC) according to EN60947-5-2 CE
- Shock and vibration resistance according to EN60068-2-27 EN60068-2-6

Materials:

- Cable: 2 m PVC CEI 20 - 22 II; 90°C; 300 V; O.R.
- Housing: plastic
- Screw and nut
  (included on mod. DF3,5… and DF5…) brass

Housing	Cable diameter	Gap width	Rated operational current (I_e)	Max switching frequency (f)	Minimum penetration	ORDERING REFERENCES PNP (positive switching) NO	NC	NO + NC
	mm	mm	mA	KHz	mm			
Z	3,5	3,5	200	1	5	**DCF3,5/4609KS**	**DCF3,5/4619KS**	**DCF3,5/4629KS**
R	3,5	5	200	1	5	**DCF5/4609KS**	**DCF5/4619KS**	**DCF5/4629KS**
T	6	15	400	0,5	16	**DCF15/4609KS**	**DCF15/4619KS**	**DCF15/4629KS**
T - 1	6	15	400	0,5	16	**DCF15/4L09KS**	**DCF15/4L19KS**	**DCF15/4L29KS**
V	6	30	400	0,2	30	**DCF30/4609KS**	**DCF30/4619KS**	**DCF30/4629KS**
V - 1	6	30	400	0,2	30	**DCF30/4L09KS**	**DCF30/4L19KS**	**DCF30/4L29KS**

NPN (negative switching)
Use the above mentioned part number changing the last number 9 with 8 (ie. DCF3,5/4608KS)

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