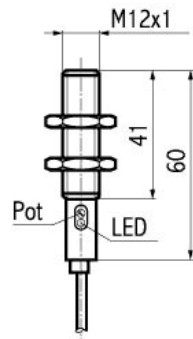


Capacitive proximity sensors

CFAK 12

Sample drawing



General data

Mounting type	shielded
Nominal sensing distance S_n	4 mm
Nominal sensing distance S_n adjustable	0,5 ... 4 mm
Temperature drift	$\pm 15\%$ (+10 ... +70°C)
Sensitivity adjustment	Pot, 270°
Output indicator	LED yellow

Electrical data

Switching frequency	< 50 Hz
Voltage supply range +Vs	10 ... 35 VDC
Current consumption max.	15 mA
Output current	< 200 mA
Voltage drop Vd	< 1,5 VDC
Short circuit protection	yes
Reverse polarity protection	yes

Mechanical data

Type	cylindrical
Housing material	PBT
Dimension	12 mm
Housing length	60 mm
Connection types	cable

Ambient conditions

Operating temperature	-25 ... +75 °C
Protection class	IP 65

Types available	Output circuit	Output function
CFAK 12N1600	NPN	normally open
CFAK 12N3600	NPN	normally closed
CFAK 12P1600	PNP	normally open
CFAK 12P3600	PNP	normally closed

Sample picture

