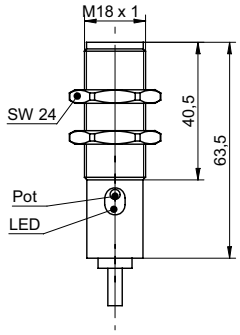
Capacitive proximity sensors

CFAK 18N1200

dimension drawing



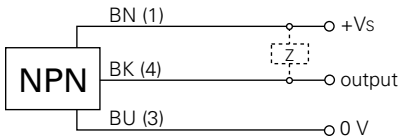
general data	
nominal sensing distance Sn	15 mm
nominal sensing distance Sn adjustable	2 ... 15 mm
mounting type	non-flush
GND electrode	no
temperature drift	± 15 % (+10 ... +70 °C)
sensitivity adjustment	potentiometer, 12 turn
output indicator	LED yellow

electrical data	
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	20 mA
output circuit	NPN make function (NO)
output current	< 200 mA
voltage drop Vd	< 1,5 VDC
switching frequency	< 50 Hz
short circuit protection	yes
reverse polarity protection	yes

mechanical data	
type	cylindrical threaded
housing material	PBT
dimension	18 mm
housing length	63,5 mm
connection types	cable, 2 m

ambient conditions	
operating temperature	-25 ... +75 °C
protection class	IP 67/65 (sensing face/sensor)

field of application	
detection of non-conductive media	yes
fill level detection through container	yes
liquids in direct contact	yes
object detection / bulk goods	yes

photo

connection diagram