

BCF сензори с подтискане на близък обхват

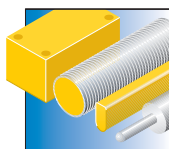


Thanks to the new switching technology in combination with optimized electrode and compensation features, the BCFs work reliably under difficult application conditions. Even conductive coatings are not a problem at all. To avoid HF cross-talk and other interferences, the potentiometer is located in a less sensitive area of the circuit, this applies to all capacitive TURCK sensors. Even applications that are subject to strong interferences do not require additional protective measures. All sensors of the BCF series are immune to radiated and conducted HF interference, burst as well as electrostatic discharge (ESD).

Features

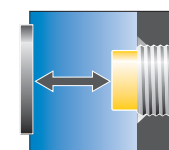
- Automatic wetting compensation
- Increased EMI and RFI shielding
- High protection class
- Novel close-up range suppression

Properties



Design

Cylinders $\varnothing 18$, $\varnothing 30$ and $\varnothing 34$ mm and rectangular Q20L60



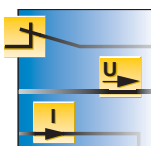
Switching distances

5 ... 15 mm, flush mounting



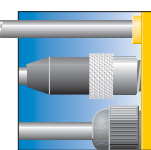
Materials

PA or PBT housings



Electrical versions

2, 3 and 4-wire, PNP or NPN, NO or NC



Electrical connections

2 m cable PVC/PUR, M12 x 1 plug connection



Special features

Close-up range suppression
EMC shielded

BCF – S18 – 3-wire DC – Без настройка



General data			
Dimensions	Ø18 x 83 mm	Ambient temperature	-25...+70 °C
Switching distance	5 mm,	Protection class	IP67
Electrical connection	connector, M12 x 1	Material housing	PA
Operating voltage	10...65 VDC	Material active face	PA

Types and data – selection table

Type	Output	w	d
BCF5-S18-AP4X-H1141/S250	, PNP	w001	d344
BCF5-S18-AN4X-H1141/S250	, NPN	w002	d344

BCF – S18 – 3-wire DC – Фина настройка с потенциометър



General data			
Dimensions	Ø18 x 74 mm	Ambient temperature	-25...+70 °C
Switching distance	5 mm,	Protection class	IP67
Electrical connection	cable	Material housing	PA
Operating voltage	10...65 VDC	Material active face	PA

Types and data – selection table

Type	Output	Material cable	w	d
BCF5-S18-RP4X/S90	, PNP	PUR 2 m	w006	d345
BCF5-S18-RN4X	, NPN	PVC 2 m	w064	d345
BCF5-S18-AP4X/S90	, PNP	PUR 2 m	w004	d345
BCF5-S18-AP4X	, PNP	PVC 2 m	w004	d345
BCF5-S18-AN4X	, NPN	PVC 2 m	w005	d345

BCF – S30 – 4-wire DC – Фина настройка с потенциометър



General data

Switching distance 10 mm,

Operating voltage 10...65 VDC

Ambient temperature -25...+70 °C

Protection class IP67

Material housing PA

Material active face PA

Types and data – selection table

Type	Dimensions	Output	Electrical connection	Material cable	w	d
BCF10-S30-VP4X-H1141	Ø30 x 71 mm	, PNP	connector, M12 x 1	-	w008	d347
BCF10-S30-VP4X	Ø30 x 62.5 mm	, PNP	cable	PVC 2 m	w007	d348
BCF10-S30-VN4X-H1141	Ø30 x 71 mm	, NPN	connector, M12 x 1	-	w010	d347
BCF10-S30-VN4X	Ø30 x 62.5 mm	, NPN	cable	PVC 2 m	w018	d348

BCF – K34 – 2-wire AC – Фина настройка с потенциометър



General data

Dimensions Ø34 x 80 mm

Switching distance 15 mm,

Electrical connection cable

Operating voltage 20...250 VAC

Ambient temperature -25...+70 °C

Protection class IP67

Material housing PBT

Material active face PBT

Material cable PVC 2 m

Types and data – selection table

Type	Output	w	d
BCF15-K34-RZ3X	, 2-wire	w038	d350
BCF15-K34-AZ3X	, 2-wire	w020	d350

BCF – Q20L60 – 3-wire DC – Фина настройка с потенциометър



General data

Dimensions	30 x 20 x 60 mm	Ambient temperature	-25...+70 °C
Switching distance	10 mm,	Protection class	IP67
Output	, PNP	Material housing	PC
Operating voltage	10...65 VDC	Material active face	PC

Types and data – selection table

Type	Electrical connection	Material cable		
BCF10-Q20L60-AP4X-H1141	connector, M12 x 1	-	w001	d361
BCF10-Q20L60-AP4X	cable	PVC 2 m	w004	d360