

Правоъгълен дизайн



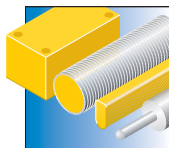
Rectangular shaped capacitive sensors are the compact solution for your facilities. The rugged housing and high-quality components provide additional options for installation and detection. The 8 mm Q08 as well as the variable CP80 convince through easy mounting and short blind zones.

The rectangular types thus simplify the assembly and enhance the operability of your systems.

Features

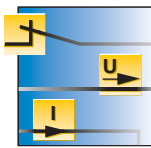
- Stable and resistant housings
- Large switching distances
- Excellent EMC immunity
- Easy to mount
- Connector and cable versions

Properties



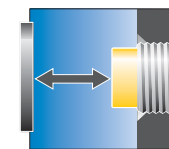
Design

From the small Q08 to the big sized CP80



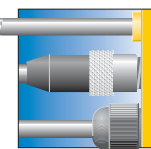
Electrical versions

3/4-wire DC, PNP/NPN



Switching distances

5 mm versions for close-range detection, 50 mm versions for long ranges



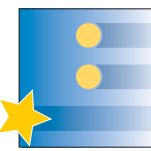
Electrical connections

2 m cable PVC/PUR, M8 x 1 plug connection, Ø 8 mm and M12 x 1



Materials

Rugged and chemical resistant plastic and metal housings



Special features

Fine adjustment via potentiometer

Q08 – 3-wire DC – Без настройка



General data

Dimensions	20 x 8 x 32 mm
Switching distance	5 mm,
Operating voltage	10...30 VDC
Ambient temperature	-25...+70 °C

Protection class	IP67
Material housing	GD-Zn
Material active face	PA

Types and data – selection table

Type	Output	Electrical connection	Material cable		
BC5-Q08-RP6X2/S250	, PNP	cable	PVC 2 m	w006	d086
BC5-Q08-RP6X2-V1131/S250	, PNP	connector, Ø 8 mm	-	w003	d089
BC5-Q08-AP6X2/S250	, PNP	cable	PVC 2 m	w004	d086
BC5-Q08-AP6X2-V1131/S250	, PNP	connector, Ø 8 mm	-	w001	d089
BC5-Q08-AN6X2/S250	, NPN	cable	PVC 2 m	w005	d086
BC5-Q08-AN6X2-V1131/S250	, NPN	connector, Ø 8 mm	-	w002	d089

Q10 – 3-wire DC – Без настройка



General data

Dimensions	25 x 10.8 x 42 mm
Switching distance	8 mm,
Operating voltage	10...30 VDC
Ambient temperature	-25...+70 °C

Protection class	IP67
Material housing	PBT
Material active face	PBT

Types and data – selection table

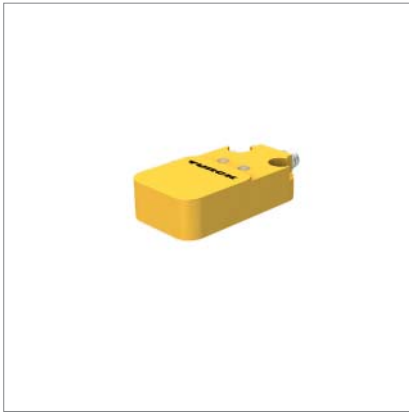
Type	Output	Electrical connection	Material cable		
BC8-Q10-RP6X2/S250	, PNP	cable	PVC 2 m	w006	d092
BC8-Q10-RP6X2-V1131/S250	, PNP	connector, M8 x 1	-	w003	d091
BC8-Q10-AP6X2/S250	, PNP	cable	PVC 2 m	w004	d092
BC8-Q10-AP6X2-V1131/S250	, PNP	connector, M8 x 1	-	w001	d091
BC8-Q10-AN6X2/S250	, NPN	cable	PVC 2 m	w005	d092
BC8-Q10-AN6X2-V1131/S250	, NPN	connector, M8 x 1	-	w002	d091

Wiring diagrams on page 832 ff

Dimension drawings on page 842 ff

Accessories on page 736 ff

Q14 – 3-wire DC – Фина настройка с потенциометър



General data

Dimensions	30 x 14 x 55.5 mm	Protection class	IP67
Switching distance	10 mm,	Material housing	PBT
Operating voltage	10...65 VDC	Material active face	PBT
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Output	Electrical connection	Material cable	w	d
BC10-Q14-RP4X2	, PNP	cable	PUR 2 m	w006	d328
BC10-Q14-AP4X2-V1131	, PNP	connector, M8 x 1	-	w001	d327
BC10-Q14-AP4X2	, PNP	cable	PUR 2 m	w004	d328
BC10-Q14-AN4X2-V1131	, NPN	connector, M8 x 1	-	w002	d327
BC10-Q14-AN4X2	, NPN	cable	PUR 2 m	w005	d328

Q20 – 3-wire DC – Фина настройка с потенциометър



General data

Dimensions	40 x 20 x 68 mm	Protection class	IP67
Switching distance	20 mm,	Material housing	PBT
Operating voltage	10...65 VDC	Material active face	PBT
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Output	Electrical connection	Material cable	w	d
BC20-Q20-RP4X2-V1131	, PNP	connector, M8 x 1	-	w003	d331
BC20-Q20-RP4X2-H1143	, PNP	connector, M12 x 1	-	w003	d329
BC20-Q20-RP4X2	, PNP	cable	PUR 2 m	w006	d330
BC20-Q20-AP4X2-H1141	, PNP	connector, M12 x 1	-	w001	d329
BC20-Q20-AP4X2	, PNP	cable	PUR 2 m	w004	d330
BC20-Q20-AN4X2-H1141	, NPN	connector, M12 x 1	-	w002	d329
BC20-Q20-AN4X2	, NPN	cable	PUR 2 m	w005	d330

QF5.5 – 3-wire DC – Фина настройка с потенциометър



General data		Protection class	IP67
Dimensions	20.3 x 5.5 x 54 mm	Material housing	PP
Switching distance	10 mm,	Material active face	PP
Electrical connection	cable	Material cable	PUR 2 m
Operating voltage	10...30 VDC		
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Output	w	d
BC10-QF5,5-AP6X2	, PNP	w004	d332
BC10-QF5,5-AN6X2	, NPN	w005	d332

QF5.5 – 3-wire DC – Без настройка



General data		Protection class	IP67
Dimensions	20.3 x 5.5 x 54 mm	Material housing	PP
Output	, PNP	Material active face	PP
Electrical connection	cable	Material cable	PUR 2 m
Operating voltage	10...30 VDC		
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Switching distance	w	d
BC5-QF5,5-AP6X2/S250	5 mm,	w004	d333
BC10-QF5,5-AP6X2/S250	10 mm,	w004	d333

CP40 – 4-wire DC – Фина настройка с потенциометър



General data

Dimensions	40 x 40 x 114 mm	Protection class	IP67
Switching distance	20 mm,	Material housing	PBT
Operating voltage	10...65 VDC	Material active face	PBT
Ambient temperature	-25...+70 °C		

Variable orientation of active face in 9 directions

Types and data – selection table

Type	Output	Electrical connection	w	d
BC20-CP40-VP4X2-H1141	, PNP	connector, M12 x 1	w008	d335
BC20-CP40-VP4X2	, PNP	terminal chamber	w014	d334
BC20-CP40-VN4X2	, NPN	terminal chamber	w013	d334

CP80 – 4-wire DC – Фина настройка с потенциометър



General data

Dimensions	80 x 40.5 x 80 mm	Protection class	IP67
Switching distance	50 mm,	Material housing	PBT
Operating voltage	10...65 VDC	Material active face	PBT
Ambient temperature	-25...+70 °C		

Types and data – selection table

Type	Output	Electrical connection	w	d
NCS50-CP80-VP4X2-H1141	, PNP	connector, M12 x 1	w008	d337
NCS50-CP80-VP4X2	, PNP	terminal chamber	w014	d336
NCS50-CP80-VN4X2	, NPN	terminal chamber	w013	d336

w Wiring diagrams on page 832 ff

d Dimension drawings on page 842 ff

a Accessories on page 736 ff