

BEZBEDNOSNA TEHNOLOGIJA  
ZA ZAŠTITU  
ŽIVOTNE SREDINE

SAFETY AND  
ENVIRONMENTAL  
TECHNOLOGY

E.L.B.  
FÜLLSTANDSGERÄTE

05-04-01E

## Kombinacije Plutajućih prekidaca Bez žive QFSK-30/31

Kombinacije plovak prekidaca SK... su konstruisane sa plovak prekidacima iz serija QFS-10..., QFS-11..., QFS-30... i QFS-31... Uz pomoc ovih kombinacija lako je kontrolisati nivoe.

Korišćenjem 2 plovak prekidaca, od kojih jedan funkcioniše kao maksimum-kontakt, a drugi kao minimum-kontakt, mogu se postići automatske kontrole nivoa. Ovi plovak prekidaci takodje mogu da se koriste kao zaštita od prepunjavanja i rada na suvo.

## Tehnicki podaci

Spoj (na zahtev)	Kutija od poliestera
Sistem zaštite EN 60529	Plovak: IP 68 Kutija spojnice: IP 65
Navoj veze	G 2"
Prsten matice	G 2 3/4"
Veza rezervoara	QFS-11/31: Jezičak pocinje od DN100
Materijal veze zavrtnja	PVC, PPH, PTFE
Materijal plovka	QFS-10: PE, PVC, PP QFS-11: PE QFS-30/31: PP
Kabl	TPK (Tehnicki polimer plastike)
Na zahtev	SIL (silikon); FEP (Teflon), AEM (etilen-akrilat-guma) sa r razblaženim kiselinama i kausticnim rastvorima
Presek provodnika	3 x 0.75mm <sup>2</sup>
Materijal tega	PVC
Na zahtev	PPH, PTFE
Veza	Promenljiva veza,
Tehnicki podaci o kablju, plovku i sistemu za Vidite sekcije 05-03-01 i 05-03-03 ukljucivanje	

## Kljuc tipa

Osnovna oznaka	Tip
	10 = verzija kanapa sa QFS-10 (rid-relej)
	11 = verzija kanapa sa QFS-11 (rid-relej)
	30 = verzija kanapa sa QFS-30 (μ-prekidac)
	31 = verzija kanapa sa QFS-31 (μ-prekidac)
	Element ukljucivanja
	0 = srebrna veza
	1 = zlatna veza
	2 = univerzalni μ-prekidac
	Veza
	Bez indikacija = sa vezom zavrtnja, sa kutijom
	0 = sa vezom zavrtnja, bez kutije
	Navoj veze
	2" = G 2" (samo QFS-30)
	GF = G 2 3/4" prsten matice (samo QFS-30)
	FL = Jezičak pocinje od DN 100 (QFS-31)
	Materijal kabla
	TPK = Tehnicki polimer plastike
	FEP = Teflon
	SIL = Silikon
	AEM = Etilen-akrilat-guma
	Broj plovak prekidaca
	1...5 = popunjene tacke ukljucivanja u mm po plovku
	Materijal navoja
	Bez indikacija = PVC (polivinilhidrid)
	PP = polipropilen

## Float switch Combinations Mercury Free QFSK-10/11/30/31

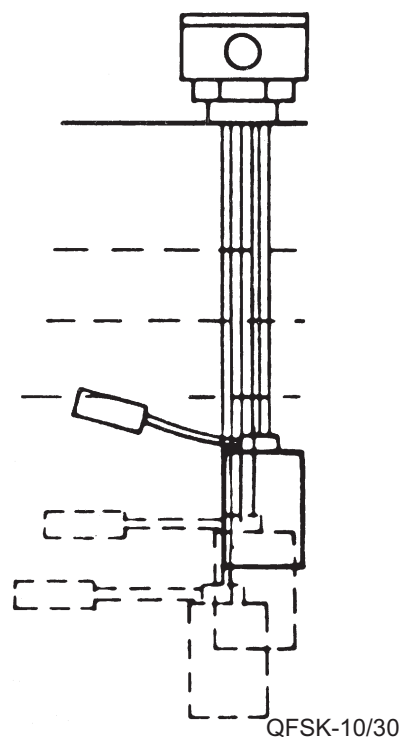
The float switch combinations SK ... are constructed with float switches of the QFS-10..., QFS-11..., QFS-30... and QFS-31... series. With these combinations levels can be easily controlled. Using 2 float switches, one working as a maximum contactor and the other as a minimum contactor, automatic level control can be achieved. This float switch can also be used as protection against overflow and dry-running.

## Technical Data

Connector (on request)	Polyester box
System of protection EN 60529	float: IP 68 connector box: IP 65
Connecting thread	G 2"
Sleeve nut	G 2 3/4"
Container connection	QFS-11/31: flange starting from DN 100
Material screw connection	PVC, PPH, PTFE
Material float	QFS-10: PE, PVC, PP QFS-11: PE QFS-30/31: PP
Cable	TPK (Technical Polymere Plastic)
On request	SIL (Silicone), FEP (Teflon), AEM (Ethylene-Acrylat-Rubber) with diluted acids + caustic solutions
Conductor cross section	3 x 0.75 mm <sup>2</sup>
Material loading weight	PVC
On request	PPH, PTFE
Contact	change-over contact
Technical data cable, floats and switching system	see leaflets 05-03-01 und 05-03-03

## Type Key

Basic designation	Typ
	10 = rope version with QFS-10 (reed contact)
	11 = rope version with QFS-11 (reed contact)
	30 = rope version with QFS-30 (μ-switch)
	31 = rope version with QFS-31 (μ-switch)
	Switching element
	0 = silver contact
	1 = gold contact
	2 = universal μ-switch
	Connection without indication = with screw connection, with box
	0 = with screw connection, without box
	Connection thread
	2" = G 2" (QFS-30 only)
	GF = G 2 3/4" sleeve nut (QFS-30 only)
	FL = flange starting from DN 100 (QFS-31)
	Cable material
	TPK = Technical Polymer Plastic
	FEP = Teflon
	SIL = Silicone
	AEM = Ethylene-Acrylat-Rubber
	Number of float switches
	1...5 = fill in the switching point in mm per float
	Material thread without indication = PVC Polyvinylchloride
	PP = Polypropylene



SCHWIMMSCHALTER • FLOAT SWITCHES

## Kombinacije plovak prekidaca Bez žive QFSK -35/36

### Tehnicki podaci

<b>Spoj</b>	<b>Kutija od poliestera</b>
<b>Sistem zaštite EN 60529</b>	<b>Plovak: IP 68</b> <b>Kutija spojnice: IP 65</b>
<b>Navoj veze</b>	<b>G 2" do 4 veze</b> <b>Ili jezicak DN 65 pocinje od 5 veza: jezicak DN80</b> <b>QFS-11/31:</b> <b>Jezicak pocinje od DN100</b>
<b>Materijal plovka</b>	<b>QFS-10: PE, PVC, PP</b> <b>QFS-11: PE</b> <b>QFS-30/31: PP</b>
<b>Kabl</b>	<b>TPK (Tehnicki polimer plastike)</b>
<b>Na zahtev</b>	<b>SIL (silikon); FEP (Teflon), AEM (etilen-akrilat-guma) sa razblaženim kiselinama i kausicnim rastvorima</b>
<b>Presek provodnika</b>	<b>3 x 0.75mm<sup>2</sup></b>
<b>Materijal cevi</b>	<b>PVC, PP</b>
<b>Veza</b>	<b>Promenljiva veza,</b>

**Tehnicki podaci o kابلu, plovku i sistemu za ukljucivanje** Vidite sekcije 05-03-01 i 05-03-03

### Kljuc tipa

<b>Osnovna oznaka</b>	<b>Tip</b>
	15 = verzija cevi sa QFS-10 (rid-relej)
	16 = verzija cevi sa QFS-11 (rid-relej)
	35 = verzija cevi sa QFS-30 (μ-prekidac)
	36 = verzija cevi sa QFS-31 (μ-prekidac)
	15/10 = verzija cevi sa QFS-10 (rid-relej, kuciste sa 5g težine)
	<b>Element ukljucivanja</b>
	0 = srebrna veza
	1 = zlatna veza
	2 = univerzalni μ-prekidac
	<b>Navoj veze</b>
	2" = G 2"
	GF = 2 3/4" prsten matice
	FL = Jezicak pocinje od DN 100
	<b>Materijal kabla</b>
	TPK = Tehnicki polimer plastike
	FEP = Teflon
	SIL = Silikon
	AEM = Etilen-akrilat-guma
	<b>Broj plovak prekidaca</b>
	1...5 = popunjene tacke ukljucivanja u mm po plovku
	<b>Dizajn</b>
	Bez indikacija = fiksni
	V = podesivi
	<b>Materijal štapa+navoja</b>
	Bez indikacija = PVC (polivinilhlorid)
	PP = Polipropilen
	PE = Polietilen
	<b>Dužina štapa</b>
	u mm

QFSK

## Float switch Combinations Mercury Free QFSK-15/16/35/36

### Technical Data

<b>Connector</b>	<b>Polyester box</b>
<b>System of protection EN 60529</b>	<b>float: IP 68</b> <b>connector box: IP 65</b>
<b>Screw connection</b>	<b>G 2" up to 4 contacts</b> <b>or flange DN 65, starting from 5 contacts: flange DN 80</b> <b>QFS-11/31:</b> <b>flange starting from DN 100</b>
<b>Material float</b>	<b>QFS-10: PE, PVC, PP</b> <b>QFS-11: PE</b> <b>QFS-30/31: PP</b>
<b>Cable</b>	<b>TPK (Technical Polymere Plastic)</b>
<b>On request</b>	<b>SIL (Silicone), FEP (Teflon), AEM (Ethylene-Acrylat-Rubber) with diluted acids + caustic solutions</b>
<b>Conductor cross section</b>	<b>3 x 0,75 mm<sup>2</sup></b>
<b>Material tube</b>	<b>PVC, PP</b>
<b>Contact</b>	<b>change-over contact</b>
<b>Technical data cable, floats and switching system</b>	<b>see leaflets 05-03-01 and 05-03-03</b>

### Type Key

<b>Basic designation</b>	<b>Typ</b>
	15 = pipe version with QFS-10 (reed contact)
	16 = pipe version with QFS-11 (reed contact)
	35 = pipe version with QFS-30 (μ-switch)
	36 = pipe version with QFS-31 (μ-switch)
	15/10 = pipe version with QFS-10 (reed contact, case with approx. 5 g weights)
	<b>Switching element</b>
	0 = silver contact
	1 = gold contact
	2 = universal μ-switch
	<b>Connection thread</b>
	2" = G 2"
	GF = G 2 3/4" sleeve nut
	FL = flange starting from DN 100
	<b>Cable material</b>
	TPK = Technical Polymer Plastic
	FEP = Teflon
	SIL = Silicone
	AEM = Ethylene-Acrylat-Rubber
	<b>Number of float switches</b>
	1...5 = fill in the switching point in mm per float
	<b>Design</b>
	without indication = fixed
	V = adjustable
	<b>Material rod + thread</b>
	without indication = PVC Polyvinylchloride
	PP = Polypropylene
	PE = Polyethylene
	<b>Rod length</b>
	in mm

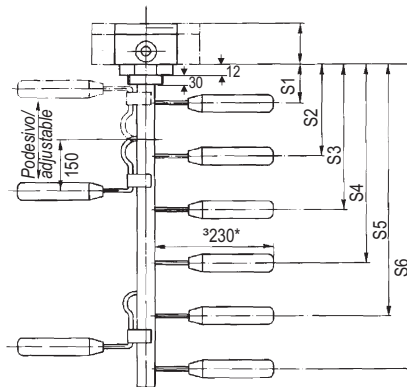
QFSK



QFSK-15/35

### Dimensioni crtez Dimensional Drawings

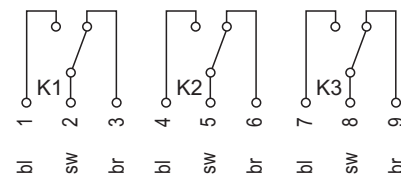
QFSK-15/35



QFSK-15/35 = kombinacija plovak-prekidaca sa pojedinacnim prekidacima QFS-10, QFS-30  
Float switch combination with single switches QFS-10, QFS-30

\* bei QFS-30 mit PVC- oder Silikonkabel+PE-Körper using QFS-30 with PVC or silicone cable + PE body  
Dimenzije u mm / Dimensioning in mm

### Sema veza Connection Diagram



Zadržano pravo izmene bez najave.

Subject to change without prior notice, errors excepted.