since 1907

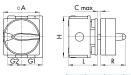
MAIN SWITCHES AND SWITCH DISCONNECTORS 10/2019 KF type up to 32 A 0

Dimensions

mm inch

Main Switches and Main Switches with Emergency Function

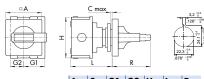
Front mounting, four hole panel mounting

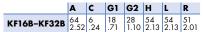




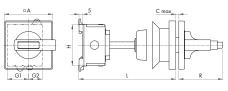
	Α	С	G1	G2	Н	L	R	D1	D2
KF16B-KF32B	64 2.52	4 .16	28 1.10	18 .71	54 2.13	38,7	33 1.30	5 .20	10-15 .3959

Front mounting, single hole mounting Ø 22 mm





Base mounting with door clutch





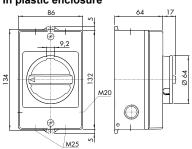


Drilling plan for panel mounting

									N	
KF16B-KF32B	64	4	28	18	54	190	58	4,2	22	70
	2.52	.16	1.10	.71	2.13	7.48	2.28	.17	.87	2.76

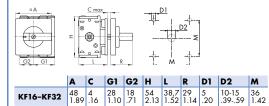
Maintenance and Safety Switches

In plastic enclosure

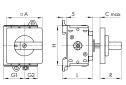


Switch Disconnectors

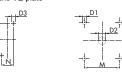
Front mounting, four hole panel mounting



Base mounting



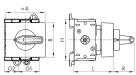




Drilling plan for panel mounting

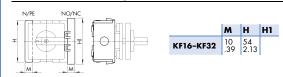
									D2			
KF16-KF32	48	12	28	18	54	38,7	29	4,2	10-15	36	22	60
	1.89	.47	1.10	.71	2.13	1.52	1.14	.17	.3859	1.42	.87	2.36

Base mounting with padlock device



	Α						
KF16-KF32	48 1.89	45,4 1. <i>7</i> 9	28 1.10	18 .71	54 2.13	53 2.09	28 1.12

Lateral mounted auxiliary contacts (1 NO + 1 NC), 4. Pol, PE, N





Construction Data

The innovative modular system is both simple and very safe while offering enormous flexibility.

The core component, the rotary contact system incorporated in a new type of modular contact block allows high mechanical life expectancy and precise and reliable contact making.

The position of the latching mechanism is more or less unlimited. The design allows for future expansion of the line with different terminal or contact technology like cage clamps, or knife contacts for DC applications.

The same modules can be used for panel mounting, lateral drive and base mounting, minimizing the need for high inventory levels and saving money.

- · 1-6 pole On-Off switches are delivered as preassembled units from the factory.
- · The precisely working cam-operated auxiliary contacts can be added in the field.
- Coupling profile determines pre-closing function of switched 4th pole, i.e. contact modules per se are always the same
- Rotating contact movement (instead of classical vertical lifting) allows:
- big contact gaps high mechanical life expectancy very precise movement sequence self-cleaning contacts forced opening and closing of contacts
- · Compact (very shallow) design
- Up to 1000V insulation voltage according to IEC possible
- Design allows a big variation of terminal markings
- · Removal from DIN rail can be done without tool change (screw driver for cross-recessed screws sufficient)

Carital	Turnos				WEAC /-	1/20 - 1-	WE20 / P		
Switch					KF16/B	KF20/B	KF25/B	KF32/B	
Rated In	sulation Voltage U _i 1			٧	690	690	690	690	
Rated O	perational Voltage $\mathbf{U_e}^1$			V 690	690	690	690	690	
Rated In	npulse Withstand Volta	ge U _{imp} ¹	kV	6	6	6	6		
Rated Th	nermal Current I _v /I _{th}			А	16	20	25	32	
Rated O	perational Current I _e								
	AC-21A=AC-22A		690 V	Α	16	20	25	32	
Rated B	reaking Capacity								
			220 V-240 V	Α	140	160	210	260	
			380 V-440 V	Α	140	160	210	260	
			660 V-690 V	Α	125	145	165	200	
Disconn	ection Property	up to ¹		٧	690	690	690	690	
Rated U	tilization Category								
AC-3	Direct-on-line starting	3 phase	220 V-240 V	kW	3	3,5	4	5,5	
		3 pole	380 V-440 V	kW	5,5	6,5	<i>7</i> ,5	11	
			500 V	kW	5,5	6,5	7,5	11	
			660 V-690 V	kW	5,5	5,5	7,5	11	
AC-23A	Frequent switching of	3 phase	220 V-240 V	kW	4,5	5,5	7	9	
	motors or other high	3 pole	380 V-440 V	kW	<i>7</i> ,5	10	12	16	
	inductive loads	·	500 V	kW	10	12	15	20	
	(criterion for main switche	s)	660 V-690 V	kW	13	15	17	22	
Short Ci	rcuit Protection								
	Max. fuse size	(gL/gC	G-characteristic)	Α	25	35	35	35	
	Rated short-time withstand		(1 s-current)	Α	350	350	350	350	
Max. Pe	rmissible Wire Gage								
	Possible cross sections	single-core	e and stranded	mm ²		0,5			
		wire		AWG		18 -	10		
		flexible w	ire without	mm ²		0,5	- 4		
		sleeve		AWG		18 -	10		
			ire with sleeving th DIN 46228	mm ²		0,5	- 4		
Ambient	Temperature	open at 1	00 % I _u /I _{th}		50 °C during 24 hours with peaks up to 55 °C				

Switch Types	KF16/B KF20/B KF25/B KF32/B						
Insulation Voltage		٧	600	600	600	600	
Max. Nominal Voltage 3 phase				600	600	600	600
Thermal Current			Α	16	20	25	30
Ampere Rating			Α	16	20	25	30
Heavy Pilot Duty	Rating Co	ode		A600	A600	A600	A600
Motor Switching Capacity (DO	L-Rating)						
Standard motor-load	3 phase	110 V-120 V	HP	1	1	1,5	2
	3 pole	220 V-240 V	HP	2	2	3	5
	·	440 V-480 V	HP	5	5	7,5	10
		550 V-600 V	HP	5	5	7,5	10

¹Valid for lines with grounded common neutral termination, overvoltage category III, pollution degree 3. Values for other supply systems on request.

Product description Front mounting, four hole panel mounting **Main switches** Main switches with emergency function KF16B T203/01 E KF16B T103/01 E KF20B T103/01 E KF20B T203/01 E KF25B T103/01 E KF25B T203/01 E KF32B T103/01 E KF32B T203/01 E Front mounting, single hole mounting Ø 22 mm Main switches Main switches with emergency function KF16 T103/04 FT2 KF16 T203/04 FT2 KF20 T103/04 FT2 KF20 T203/04 FT2 KF25 T103/04 FT2 KF25 T203/04 FT2 KF32 T103/04 FT2 KF32 T203/04 FT2 Base mounting with door clutch Main switches Main switches with emergency function KF16B T103/65 VE KF16B T203/65 VE KF20B T103/65 VE KF20B T203/65 VE KF25B T103/65 VE KF25B T203/65 VE KF32B T103/65 VE KF32B T203/65 VE IP 66/67 In plastic enclosure Main switches Main switches with emergency function KF16 T103/33 KT11V KF16 T203/33 KT11V KF20 T103/33 KT11V KF20 T203/33 KT11V KF25 T103/33 KT11V KF25 T203/33 KT11V KF32 T103/33 KT11V KF32 T203/33 KT11V IP 66/67 Front mounting, four hole panel mounting KF16 KF20 T303 E KF25 T303 E KF32 T303 E **Base mounting** KF16 T303 VE T303 VE KF20 KF25 T303 VE KF32 T303 VE Base mounting with padlock device T303/58 VE2 KF20 T303/58 VE2 KF25 T303/58 VE2 KF32 T303/58 VE2 Lateral mounted auxiliary contacts (1 NO + 1 NC), 4. pole, PE, N K0 H010B/C11 K PΕ K0 H052B/A K KO H053B/A K