

## KF16T

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

### IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui							
			Voltage (V)	AC / DC			
			690	50/60Hz			
Rated impulse withstand voltage Uimp							
Voltage (kV)		Overvoltage category	Pollution degree	Supply system		Function	
6		III	3	Valid for lines with grounded common neutral termination		Switch / Switch disconnector	
Rated uninterrupted current Iu/Ith							
Current (A)		Ambient temperature (°C)		Peak temperature (°C)	additional requirements		
16		50		55	Ambient temperature +50°C during 24 hours with peaks up to +55°C		
Conventional enclosed thermal current Ithe							
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements		No. of stages (from - to)	Mounting	Mounting size
16	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C		--	--	--
Rated operational current Ie							
Utilization category				Voltage (V)		Current (A)	
AC-21A				20 - 690		16	
AC-22A				20 - 690		16	
Rated operational power							
Utilization category			Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3			220 - 240	3	3	3	
AC-3			380 - 440	3	3	5,50	
AC-3			500 - 500	3	3	5,50	
AC-3			660 - 690	3	3	5,50	
AC-3			110 - 120	1	2	0,55	
AC-3			220 - 240	1	2	1,50	
AC-3			380 - 440	1	2	2,50	
AC-3			500 - 500	1	2	3	
AC-3			660 - 690	1	2	3,70	
AC-23A			220 - 240	3	3	4,50	
AC-23A			380 - 440	3	3	7,50	
AC-23A			500 - 500	3	3	10	
AC-23A			660 - 690	3	3	13	
AC-23A			110 - 120	1	2	0,75	
AC-23A			220 - 240	1	2	2	
AC-23A			380 - 440	1	2	3,70	
AC-23A			500 - 500	1	2	4,50	
AC-23A			660 - 690	1	2	5	
Max. Fuse rating IEC							
Fuse characteristic				No. of Fuses		Current (A)	
gG				1		25	

### UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
Current (A)		Ambient temperature (°C)	Additional Text
16		0 - 40	--
General Information			
Text			

- Warning! The opening of the branch-circuit protective device may be an indication that a fault current has been interrupted. To reduce the risk of fire or electric shock, current-carrying parts and other components of the controller should be examined and replaced if damaged. If burnout of the current element of an overload relay occurs, the complete overload relay must be replaced.

General Information
Text

- When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.

## GENERAL TECHNICAL INFORMATION

Tightening torque of screws
<i>tightening torque (Nm)</i>
1,25
<i>tightening torque (lb-in)</i>
11

Rated short-time withstand current I <sub>cw</sub>
<i>Time (s)</i>
1
<i>Current (A)</i>
350

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	0.5mm <sup>2</sup>	Copper
Flexible wire	Max.	1	AWG 10	Copper
Flexible wire	Max.	1	4mm <sup>2</sup>	Copper
Flexible wire	Min.	1	AWG 18	Copper
Flexible wire	Min.	1	0.5mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	6mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
Single-core or stranded wire	Min.	1	AWG 18	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.75mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Max.	1	4mm <sup>2</sup>	Copper

Approbations
Specification
Marking

CE marking



UK Directives
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IEC 60947-3; EN 60947-3; VDE 0660 Teil107

**IEC 60947-3**  
**EN 60947-3**

UL 60947-4-1; CSA C22.2 No. 60947-4-1



Power loss per pole
<i>Power (W)</i>
0,20

Conditions during transport and storing			
Minimum temperature (°C)		Maximum temperature (°C)	additional requirements
-40		85	In case of temperatures below -5°C no shock load permissible

General Information
Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- The protection class of the selected mounting type may vary if optional extras are used.
- Do not lubricate or treat contacts.
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.

Operating temperature	
Min. Temperature [°C]	Max. Temperature [°C]
-5	55