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Sample image

Datasheet

Article number: 70020055
Designation: KF16B.T104/01.E
Description: Switch Global Disconnector

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

Rated insulation voltage Ui

Voltage (V)	AC / DC
690	AC

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

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	660 - 690	3	3	5,50
AC-3	220 - 240	1	2	1,50
AC-3	380 - 440	1	2	2,50
AC-23A	220 - 240	3	3	4,50
AC-23A	380 - 440	3	3	7,50
AC-23A	660 - 690	3	3	13
AC-23A	220 - 240	1	2	2
AC-23A	380 - 440	1	2	3,70

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	25

UL60947-4-1 , UL508

Nominal Voltage

Voltage (V)	AC / DC
600	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
16	0 - 40	--

Horsepower rating

Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL	110 - 120	1	2	0,33	40
DOL	220 - 240	1	2	0,75	40
DOL	277 - 277	1	2	1	40
DOL	415 - 415	1	2	1,50	40
DOL	440 - 480	1	2	1,50	40
DOL	550 - 600	1	2	1,50	40
DOL	110 - 120	3	3	1	40
DOL	220 - 240	3	3	2	40
DOL	415 - 415	3	3	3	40
DOL	440 - 480	3	3	5	40
DOL	550 - 600	3	3	5	40

Pilot duty rating code

Duty Code
A600

SCCR / Max. fuse rating

Conditions of acceptability
Suitable for use on a circuit capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by a 40A J Class Fuse.
Suitable for use on a circuit capable of delivering not more than 5kA rms symmetrical amperes, 600V ac max.

Temp. rating of wire

Temperature rating (°C)	Current (A)	Text
75	--	--

Connecting instructions

Markings
Break all lines.
For use on a flat surface of a type 1 enclosure.

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	600	16	1	2	1

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General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	600	16	3	3	1

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

GENERAL TECHNICAL INFORMATION

Size of conductor

composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	1	AWG 10	Copper
Flexible wire	Max.	1	4mm²	Copper
Flexible wire	Min.	1	AWG 18	Copper
Flexible wire	Min.	1	0.5mm²	Copper
Single-core or stranded wire	Max.	1	6mm²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
Single-core or stranded wire	Min.	1	AWG 18	Copper
Single-core or stranded wire	Min.	1	0.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	1	4mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper

Stripping length

Length (mm)	--

Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x4

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
1,25	11

Approbations

Specification	Marking
CE marking	CE
UK Directives	UKCA

General Information

Text

- Alleen koperleidingen met of zonder vertinde/verzilverde draden (per draad) gebruiken. Het nadien vertinnen van de uiteinden is niet toegestaan.
- 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.
- Het gebruik van een extra apparaat kan de beschermingsklasse van de gekozen bouwvorm beïnvloeden.
- 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.

Waste Electrical & Electronic Equipment (WEEE)

Picture name	Description
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com

Proposition 65

Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

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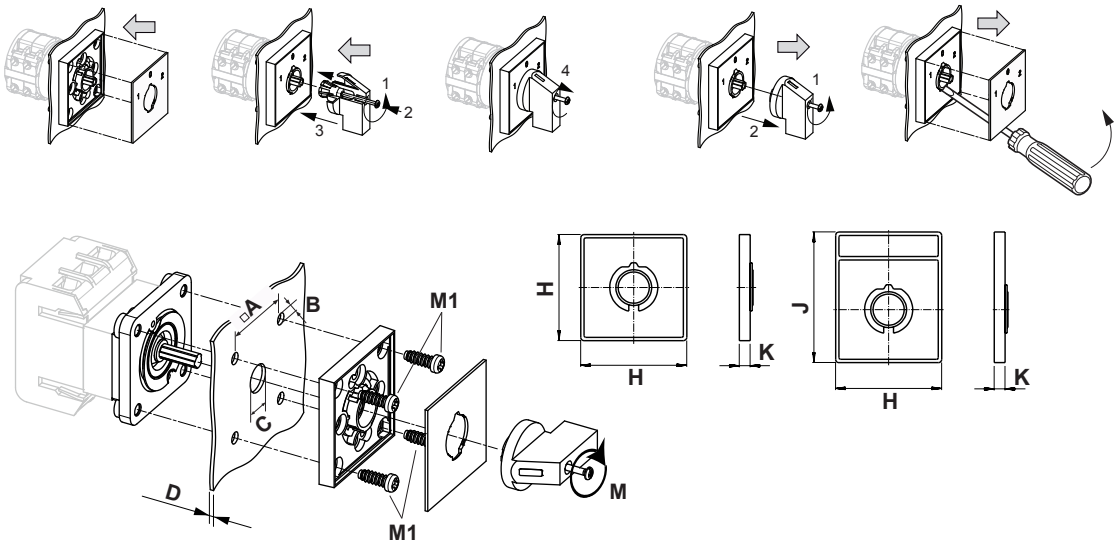
Mounting-E



IP - Code front side		IP66, IP67
Stages		1,00 - 12,00
A	□	48,00 mm
B	⌀	5,00 mm
C	⌀	10,00 - 15,00 mm
D	⊢	<= 4,00 mm
H	⊢	64,00 mm
J	⊢	78,00 mm
K	⊢	7,40 mm
M	⃗M	0,70 Nm
M1	⃗M	0,90 Nm

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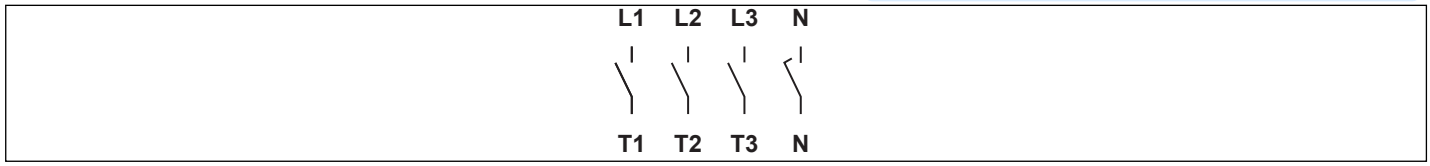
Wiring diagram

KF16B.T304.E



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Switch program

KF16B.T304.E

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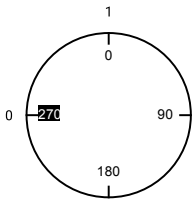
KF16B	T304	Page 1 of 1

Face Plate



	L1	L2	L3	N				
	1	3	5	7	9	11	13	15
	2	4	6	8	10	12	14	16
	T1	T2	T3	N				
0	270							
1	0	■	■	■	■			
	90							
	180							

Switching Angle 90
Total switching Angle 90

Version: 34

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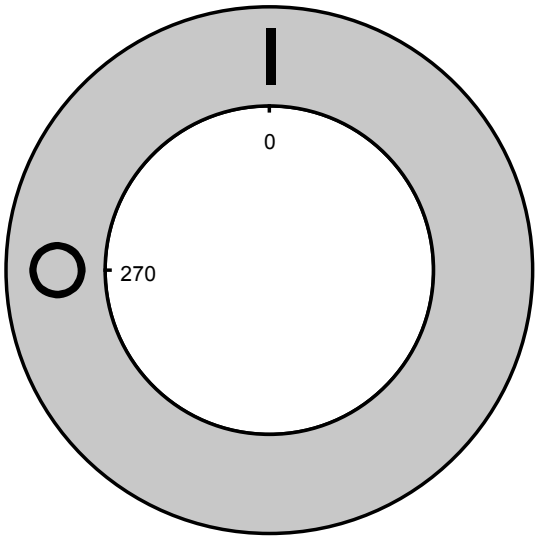
Face plate

S1.F456/C10.V11H



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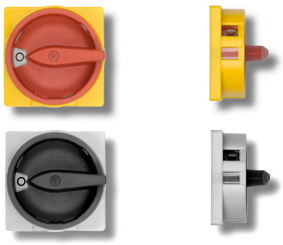
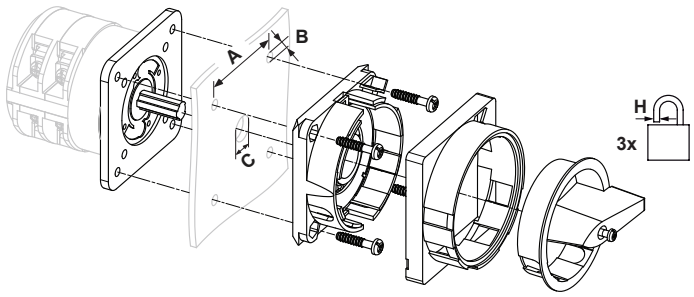


Sample image

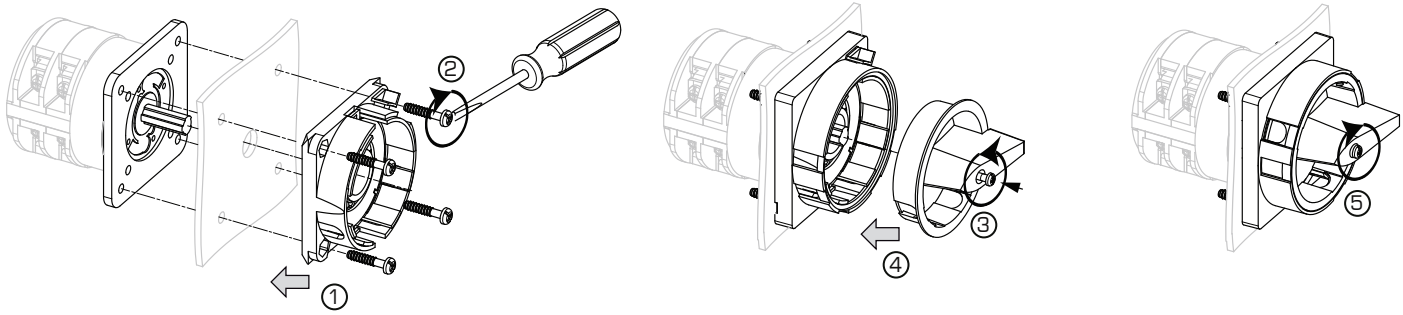
PADLOCK DEVICE

with F-handle ring

Designation: S1.V840G/A71/A6
Colour of F-handle ring: "A" black
Colour of face ring: "7" electro-grey
Locking position: "1" at 270° (1x90°)
Type of mounting: "A" for type of mounting GK (Rose)
Type of mounting: "A" for type of mounting E
Switch type: "6" for KF-switches



A	□	48,00 mm	B	⌀	5,00 mm	C	⌀	15,00 mm
H	⌀	7,00 - 8,00 mm						



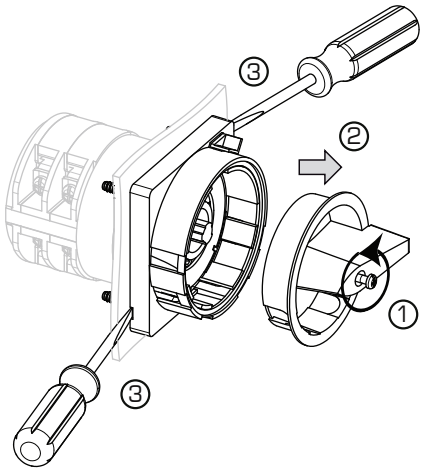
MOUNTING

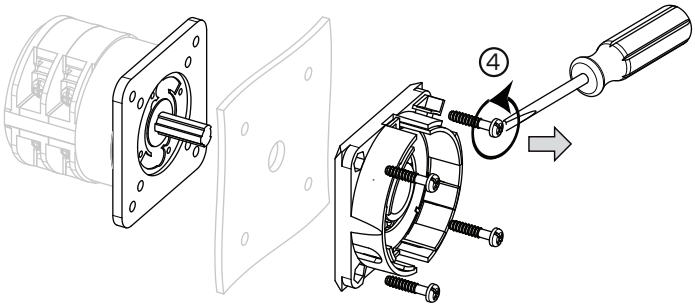
1 + 2 The padlock device has to be mounted by four cylinder head screws from the front.

3 Loosen the screw and

4 Push it into the handle onto the shaft

5 Fasten the screw.





1 Loose handle screw

2 remove handle.

3 Insert a proper auxiliary tool at those points of the frame of the device which are marked by a srew driver on the drawing and remove the frame.

4 Fixing screws can be loosen now.