Kraus & Naimer

Sample image

Datasheet

Article number: 70019216
Designation: KG315.T204/05.E
Description: Switch Global Disconnector

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

Rated insulation voltage Ui

Voltage (V)	AC / DC
1000	AC

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
315	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	45
AC-3	380 - 440	3	3	75
AC-3	660 - 690	3	3	45
AC-23A	220 - 240	3	3	55
AC-23A	380 - 440	3	3	110
AC-23A	660 - 690	3	3	45

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	315

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
300	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	20	40
DOL	220 - 240	1	2	35	40
DOL	277 - 277	1	2	35	40
DOL	440 - 480	1	2	50	40
DOL	550 - 600	1	2	60	40
DOL	110 - 120	3	3	40	40
DOL	220 - 240	3	3	75	40
DOL	440 - 480	3	3	100	40
DOL	550 - 600	3	3	100	40

SCCR / Max. fuse rating

Conditions of acceptability

This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.

Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 400A Class J fuses.

Temp. rating of wire

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

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	300	1	1	1
AC	600	300	1	2	1
AC	600	300	3	3	1

General Information

Text

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.

CSA

Nominal Voltage

Voltage (V)	AC / DC
600	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

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Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
300	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	20	40
DOL	220 - 240	1	2	35	40
DOL	277 - 277	1	2	35	40
DOL	440 - 480	1	2	50	40
DOL	550 - 600	1	2	60	40
DOL	110 - 120	3	3	40	40
DOL	220 - 240	3	3	75	40
DOL	440 - 480	3	3	100	40
DOL	550 - 600	3	3	100	40

Temp. rating of wire

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

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	300	1	1	1
AC	600	300	1	2	1
AC	600	300	3	3	1

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
solid wire	Min.	1	16mm²	Copper
flexible wire	Max.	1	MCM 300	Copper
flexible wire	Max.	1	150mm²	Copper
flexible wire	Min.	1	25mm²	Copper
Single-core or stranded wire	Max.	1	185mm²	Copper
Single-core or stranded wire	Max.	1	MCM 350	Copper
flexible wire with sleeve	Max.	1	120mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	16mm²	Copper

Stripping length

Length (mm)	--

Recommended screw driver

Type of screw driver	Value
Hex key	6

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
16	140

Approbations

Specification	Marking
EAC	
CE marking	
UK Directives	
CSA C.22.2 No.14	
GB/T14048.3	

General Information

Text

- 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.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.

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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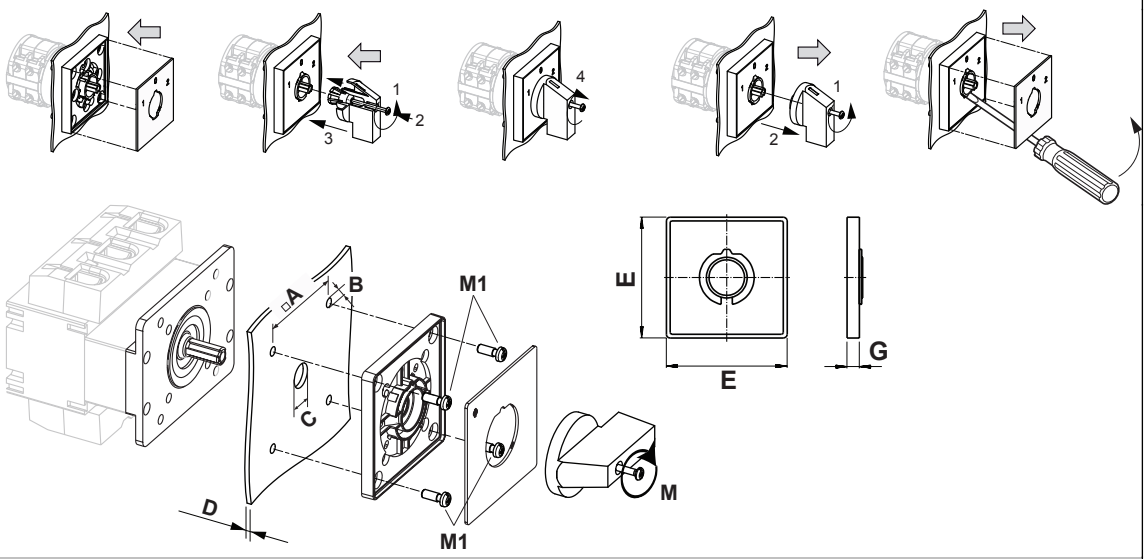
Mounting-E



IP - Code front side		IP66, IP67
Stages		1,00 - 5,00
A	□	68,00 mm
B	⌀	6,00 mm
C	⌀	13,00 - 17,00 mm
D	H	<= 5,50 mm
E	H	88,00 mm
G	H	8,50 mm
M	M	1,20 Nm
M1	M	1,50 Nm

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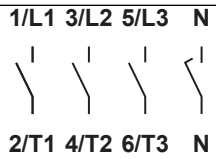
Wiring diagram

KG315.T304.E



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Switch program

KG315.T304.E

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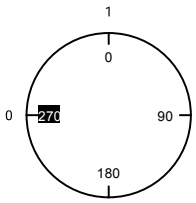
KG315 | T304 | Page 1 of 1

Face Plate



Switching Angle 90
Total switching Angle 90

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

Version: 84

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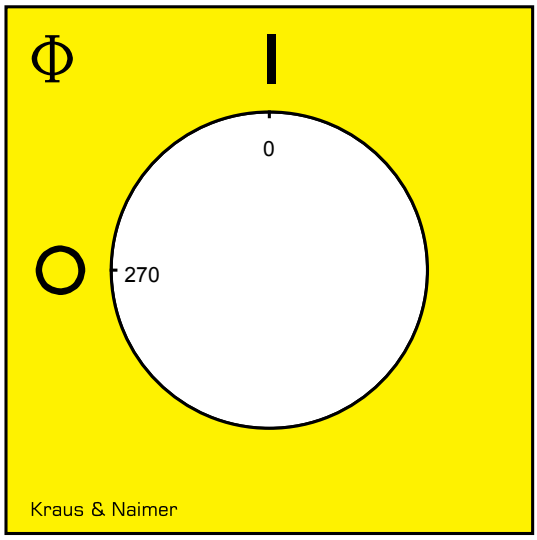
Face plate

S1.F456/E10.M1H



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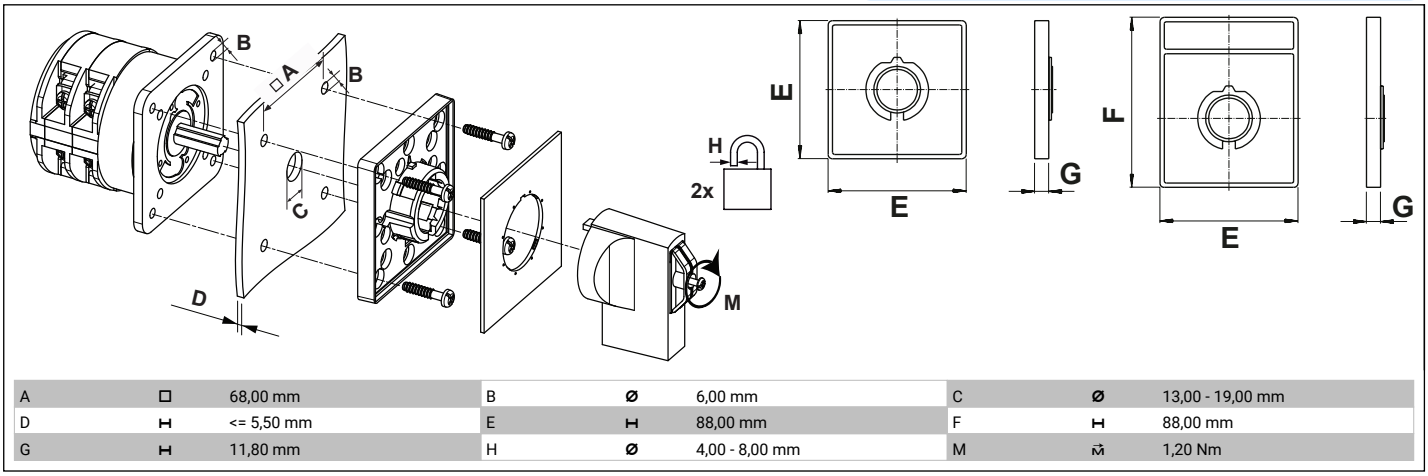
PADLOCK DEVICE

Designation: S2.V845/E11/A12
Face plate and handle unit: "E" face plate/yellow, frame/black, handle/red, locking push rod/yellow
Locking position: "1" at 270°+90° - knockouts every 45°
Angular displacement: "1" 1 x 90°
Type of mounting: "A" for type of mounting E
Type of version: "1" for same switch size
Switch type: "2" for KA-, KG- and KH(R)-switches



A	□	68,00 mm	B	⌀	6,00 mm	C	⌀	13,00 - 19,00 mm
D	⊢	<= 5,50 mm	E	⊢	88,00 mm	F	⊢	88,00 mm
G	⊢	11,80 mm	H	⌀	4,00 - 8,00 mm	M	m̃	1,20 Nm