



Sample image

Datasheet

Article number: 70003564

Designation: CA10.A440.PN1

Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Rated insulation voltage Ui					
Voltage (V) AC / DC					
690 AC / DC					
Rated impulse withstand voltage Uimp					
Voltage (kV) Overvoltage category		Pollution degree	Supply system		Function
4 III		3	Valid for lines with grounded common neutral termination		Switch disconnecter
Rated uninterrupted current Iu/Ith					
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements		
20	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C		
Rated operational current Ie					
Utilization category			Voltage (V)		Current (A)
AC-15			220 - 240		6
AC-15			380 - 440		4
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		2,20
AC-3	380 - 440	1	2		3
AC-23A	220 - 240	3	3		3,70
AC-23A	380 - 440	3	3		7,50
AC-23A	660 - 690	3	3		7,50
AC-23A	220 - 240	1	2		2,50
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					
300 AC / DC					
Rated insulation voltage Ui					
Voltage (V) AC / DC					
300 AC					
Rated thermal current					
Current (A)		Ambient temperature (°C)		Additional Text	
20		0 - 40		--	
Horsepower rating					
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
Reversing	110 - 120	1	2	0,17	40
Reversing	220 - 240	1	2	0,50	40
Reversing	277 - 277	1	2	0,60	40
Reversing	110 - 120	3	3	0,50	40
Reversing	220 - 240	3	3	1	40
DOL	110 - 120	1	2	0,50	40
DOL	220 - 240	1	2	1	40
DOL	277 - 277	1	2	2	40
DOL	110 - 120	3	3	1,50	40
DOL	220 - 240	3	3	3	40
Pilot duty rating code					
Duty Code					
A300					
SCCR / Max. fuse rating					
Conditions of acceptability					
These devices are suitable for use on circuits capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by Class RK1 fuses. Manual Motor Controllers when intended for use as a motor disconnecter are suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by 30A Class J time delay fuses.					
Temp. rating of wire					
Temperature rating (°C)		Current (A) Text			
60 - 75		-- Use copper wire only			

Markings

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

AC / DC

CSA

Nominal Voltage	1.2 V
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Rated insulation voltage U_i	Voltages (V): 10, 15, 20, 25, 30, 35, 40, 50, 60, 75, 100, 150, 250, 400, 690, 1000, 1500, 2500, 3000, 3300, 3600, 4000, 4800, 6000, 10000, 17500, 25000, 30000, 33000, 36000, 40000, 48000, 60000, 100000, 175000, 250000, 300000, 330000, 360000, 400000, 480000, 600000, 1000000, 1750000, 2500000, 3000000, 3300000, 3600000, 4000000, 4800000, 6000000, 10000000, 17500000, 25000000, 30000000, 33000000, 36000000, 40000000, 48000000, 60000000, 100000000, 175000000, 250000000, 300000000, 330000000, 360000000, 400000000, 480000000, 600000000, 1000000000, 1750000000, 2500000000, 3000000000, 3300000000, 3600000000, 4000000000, 4800000000, 6000000000, 10000000000, 17500000000, 25000000000, 30000000000, 33000000000, 36000000000, 40000000000, 48000000000, 60000000000, 100000000000, 175000000000, 250000000000, 300000000000, 330000000000, 360000000000, 400000000000, 480000000000, 600000000000, 1000000000000, 1750000000000, 2500000000000, 3000000000000, 3300000000000, 3600000000000, 4000000000000, 4800000000000, 6000000000000, 10000000000000, 17500000000000, 25000000000000, 30000000000000, 33000000000000, 36000000000000, 40000000000000, 48000000000000, 60000000000000, 100000000000000, 175000000000000, 250000000000000, 300000000000000, 330000000000000, 360000000000000, 400000000000000, 480000000000000, 600000000000000, 1000000000000000, 1750000000000000, 2500000000000000, 3000000000000000, 3300000000000000, 3600000000000000, 4000000000000000, 4800000000000000, 6000000000000000, 10000000000000000, 17500000000000000, 25000000000000000, 30000000000000000, 33000000000000000, 36000000000000000, 40000000000000000, 48000000000000000, 60000000000000000, 100000000000000000, 175000000000000000, 250000000000000000, 300000000000000000, 330000000000000000, 360000000000000000, 400000000000000000, 480000000000000000, 600000000000000000, 1000000000000000000, 1750000000000000000, 2500000000000000000, 3000000000000000000, 3300000000000000000, 3600000000000000000, 4000000000000000000, 4800000000000000000, 6000000000000000000, 10000000000000000000, 17500000000000000000, 25000000000000000000, 30000000000000000000, 33000000000000000000, 36000000000000000000, 40000000000000000000, 48000000000000000000, 60000000000000000000, 100000000000000000000, 175000000000000000000, 250000000000000000000, 300000000000000000000, 330000000000000000000, 360000000000000000000, 400000000000000000000, 480000000000000000000, 600000000000000000000, 1000000000000000000000, 1750000000000000000000, 2500000000000000000000, 3000000000000000000000, 3300000000000000000000, 3600000000000000000000, 4000000000000000000000, 4800000000000000000000, 6000000000000000000000, 10000000000000000000000, 17500000000000000000000, 25000000000000000000000, 30000000000000000000000, 33000000000000000000000, 36000000000000000000000, 40000000000000000000000, 48000000000000000000000, 60000000000000000000000, 100000000000000000000000, 175000000000000000000000, 250000000000000000000000, 300000000000000000000000, 330000000000000000000000, 360000000000000000000000, 400000000000000000000000, 480000000000000000000000, 600000000000000000000000, 1000000000000000000000000, 1750000000000000000000000, 2500000000000000000000000, 3000000000000000000000000, 3300000000000000000000000, 3600000000000000000000000, 4000000000000000000000000, 4800000000000000000000000, 6000000000000000000000000, 10000000000000000000000000, 17500000000000000000000000, 25000000000000000000000000, 30000000000000000000000000, 33000000000000000000000000, 36000000000000000000000000, 40000000000000000000000000, 48000000000000000000000000, 60000000000000000000000000, 100000000000000000000000000, 175000000000000000000000000, 250000000000000000000000000, 300000000000000000000000000, 330000000000000000000000000, 360000000000000000000000000, 400000000000000000000000000, 480000000000000000000000000, 600000000000000000000000000, 1000000000000000000000000000, 1750000000000000000000000000, 2500000000000000000000000000, 3000000000000000000000000000, 3300000000000000000000000000, 3600000000000000000000000000, 4000000000000000000000000000, 48000000
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Rated thermal current	Current (A)	Ambient temperature (°C)	Additional Test
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[illegible]

Horsepower rating									
Actual	Ranking	Mean	Std. Dev.	Minimum	Maximum	Range	Skewness	Kurtosis	Normal Q-Q
100	1	100.00	0.00	100.00	100.00	0.00	0.00	0.00	0.00

Across-th

Pilot duty rating code
Duty Code

Duty Code

Temp. rating of wire	Temperature rating (°C)	Current (A)	Temp.
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General Use					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in position

AC / DC

GENERAL TECHNICAL INFORMATION

Size of co

[illegible]

Stripping length	Length (mm)
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[illegible]

Recommended screw driver	
Type of screw driver	Value

Type of s

Tightening torque of screws		
	<i>tightening torque (Nm)</i>	<i>tightening torque (lb·in)</i>

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Approbations		
Classification		Marketing

Specifica

General Information
Text

Text

General Information

Text

- 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.
- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

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

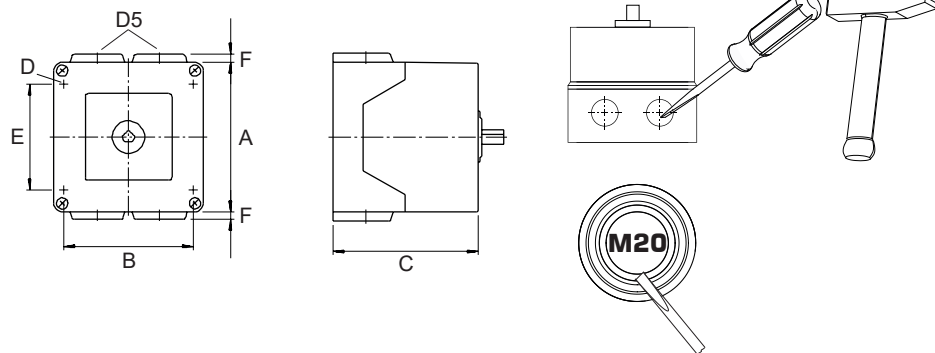
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

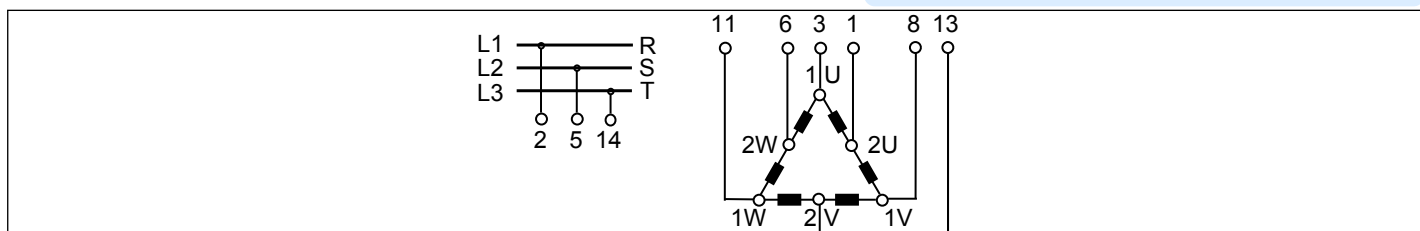
Mounting-PN1



IP - Code front side		IP42
Stages		4,00 - 4,00
A	□	64,00 mm
B	H	50,00 mm
C	H	64,80 mm
D	Ø	4,40 mm
D5	Ø	4,00 x M20
E	H	36,00 mm
F	H	4,00 mm

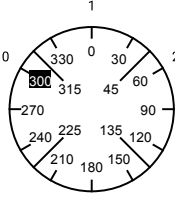
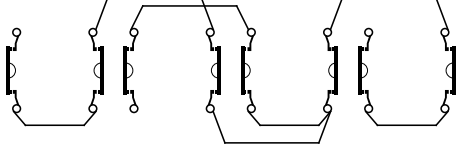
Wiring diagram

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Switch program

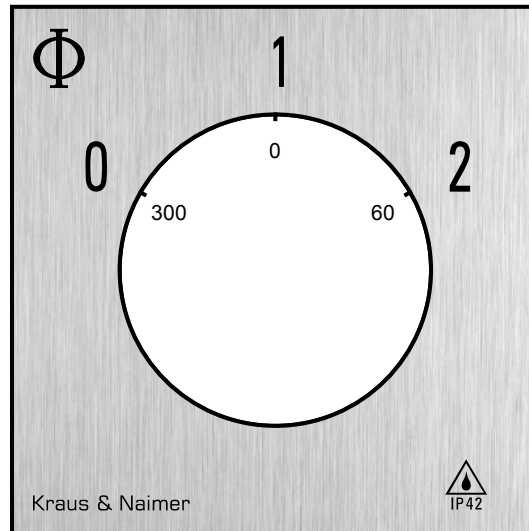
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 Kraus & Naimer		CA10		A440		Page 1 of 1							
Face Plate 													
Switching Angle 60 Total switching Angle 120		1	3	5	7	9	11	13	15	17	19	21	23
		2	4	6	8	10	12	14	16	18	20	22	24
0	300												
	315												
	330												
	345												
	0												
	15												
	30												
	45												
	60												
	75												
	90												
	105												
	120												
	135												
	150												
	165												
	180												
195													
210													
225													
240													
255													
270													
285													

Version: 44

Face plate

S0.F073/A10.PNL



HANDLES

Designation: S0C.G257

Handle colour: "7" electro grey

