



Sample image

Datasheet

Article number: 70012318

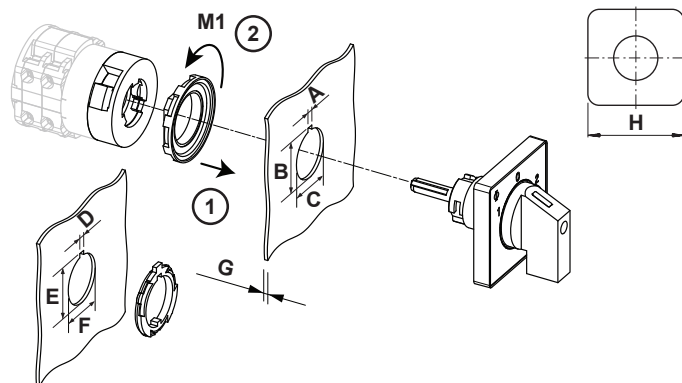
Designation: CG4.A291.FS2-V

Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
440 AC / DC						
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements			
10	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		2,50		
AC-15		380 - 440		1,50		
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
AC-3	220 - 240	3	3	1,50		
AC-3	380 - 440	3	3	2,20		
AC-3	220 - 240	1	2	0,55		
AC-3	380 - 440	1	2	0,75		
AC-23A	220 - 240	3	3	1,80		
AC-23A	380 - 440	3	3	3		
AC-23A	220 - 240	1	2	0,75		
AC-23A	380 - 440	1	2	1,10		
Max Fuse Rating IEC						
Fuse characteristic		No. of Fuses		Current (A)		
gG		1		10		
UL60947-4-1 , UL508						
Nominal Voltage						
Voltage (V) AC / DC						
300 AC						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
300 AC						
Rated thermal current						
Current (A)		Ambient temperature (°C)		Additional Text		
10		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	0,75	40
DOL		110 - 120	3	3	0,75	40
DOL		220 - 240	3	3	1	40
Pilot duty rating code						
Duty Code						
A300						
Temp. rating of wire						
Temperature rating (°C)		Current (A) Text				
60 - 75		– Use copper wire only				
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	120	10	1	1	1	
AC	300	10	1	2	1	
AC	300	10	3	3	1	
CSA						
Nominal Voltage						
Voltage (V) AC / DC						
300 AC						
Rated insulation voltage Ui						
Voltage (V) AC / DC						
300 AC						

Rated thermal current							
Current (A)			Ambient temperature (°C)		Additional Text		
10			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	0,75	40
DOL			110 - 120	3	3	0,75	40
DOL			220 - 240	3	3	1	40
Pilot duty rating code							
Duty Code							
A300							
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	120	10	1	1	1		
AC	300	10	1	2	1		
AC	300	10	3	3	1		
GENERAL TECHNICAL INFORMATION							
Tightening torque of screws							
			tightening torque (Nm)		tightening torque (lb-in)		
			0,40		3,50		
Stripping length							
			Length (mm) --				
			6 STRIPPINGLENGTH				
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	0.5mm²		Copper		
solid wire	Min.	2	0.5mm²		Copper		
flexible wire	Min.	1	0.75mm²		Copper		
flexible wire	Min.	2	0.75mm²		Copper		
flexible wire	Max.	2	AWG 16		Copper		
flexible wire	Max.	2	1.5mm²		Copper		
Single-core or stranded wire	Max.	2	AWG 14		Copper		
Single-core or stranded wire	Max.	2	1.5mm²		Copper		
flexible wire with ferrule according to DIN 46228	Max.	2	1mm²		Copper		
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²		Copper		
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²		Copper		
Approbations							
Specification					Marking		
EAC							
CE marking							
UK Directives							
CSA C.22.2 No.14							
GB/T14048.3							
Recommended screw driver							
Type of screw driver			Value				
Cross Screwdriver			PH1				
Slot screwdriver according to DIN 5264			0,6x3,5				
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. - 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							

Mounting-FS2-V



IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 8,00
A	H	1,70 mm
A+_tol.	H	0,20 mm
A-_tol.	H	0,00 mm
B	H	17,90 mm
B+_tol.	H	0,20 mm
B-_tol.	H	0,00 mm
C	Ø	16,20 mm
C+_tol.	Ø	0,20 mm
C-_tol.	Ø	0,00 mm
D	H	3,20 mm
D+_tol.	H	0,20 mm
D-_tol.	H	0,00 mm
E	H	24,10 mm
E+_tol.	H	0,40 mm
E-_tol.	H	0,00 mm
F	Ø	22,30 mm
F+_tol.	Ø	0,40 mm
F-_tol.	Ø	0,00 mm
G	H	<= 5,00 mm
H	H	30,00 mm
M1	M	0,70 Nm

Wiring diagram

CG4.A291.FS2-V



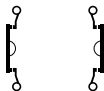
Switch program

CG4.A291.FS2-V



Kraus & Naimer

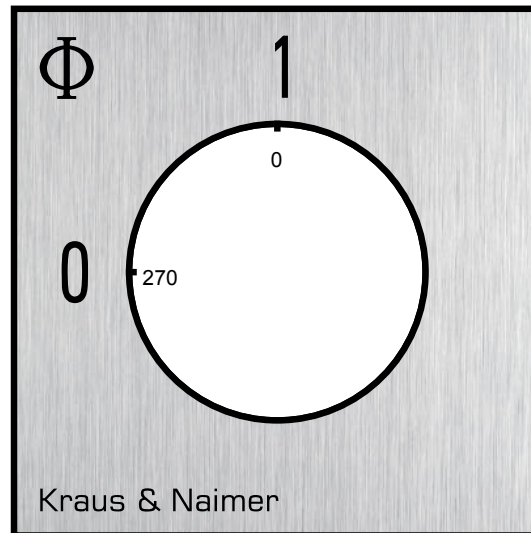
CG4
A291
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Face Plate																									
		1		3		5		7		9		11		13		15		17		19		21		23	
																									
Switching Angle 90 Total switching Angle 90		2		4		6		8		10		12		14		16		18		20		22		24	
0		270																							
		285																							
		300																							
		315																							
		330																							
		345																							
1		0																							
		15																							
		30																							
		45																							
		60																							
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		90																							
		105																							
		120																							
		135																							
		150																							
		165																							
		180																							
		195																							
		210																							
		225																							
		240																							
		255																							

Version: 96

Face plate

S00.F056/A10.E1



HANDLES

Designation: S00.G251

Handle colour: "1" black

