







Datasheet

Article number: 70057417
Designation: CA10.A175.Z.SE25
Description: Switch

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
Rated insulation voltage U_i						
			Voltage (V) AC / DC			
			690 AC / DC			
Rated impulse withstand voltage U_{imp}						
Voltage (kV)		Overvoltage category		Pollution degree		Supply system
4 III				3		Valid for lines with grounded common neutral termination
Rated uninterrupted current I_u/I_{th}						
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 I_e						
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
AC-3		220 - 240		3		3
AC-3		380 - 440		3		5,50
AC-3		660 - 690		3		5,50
AC-3		220 - 240		1		2,20
AC-3		380 - 440		1		3
AC-23A		220 - 240		3		3,70
AC-23A		380 - 440		3		7,50
AC-23A		660 - 690		3		7,50
AC-23A		220 - 240		1		2,50
AC-23A		380 - 440		1		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 U_i						
			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
Reversing		110 - 120		1		2
Reversing		220 - 240		1		2
Reversing		277 - 277		1		2
Reversing		110 - 120		3		3
Reversing		220 - 240		3		3
DOL		110 - 120		1		2
DOL		220 - 240		1		2
DOL		277 - 277		1		2
DOL		110 - 120		3		3
DOL		220 - 240		3		3
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 disconnect 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		
Connecting instructions						
<i>Markings</i>						
When intended for use as a motor disconnecter the device shall be provided with a method of being locked in the OFF-position.						
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	300	20	1	2	1	
AC	300	20	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	
			20		0 - 40 -	
Horsepower rating						
<i>Across-the-Line Motor Starting</i>		Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
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						
<i>Duty Code</i>						
A300						
Temp. rating of wire						
Temperature rating (°C)				Current (A) Text		
75				- only		
General Use						
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series	
AC	300	20	1	1	1	
GENERAL TECHNICAL INFORMATION						
Size of conductor						
<i>composition of conductor</i>	<i>Min. / Max. value</i>		<i>No. of conductor per terminal</i>	<i>Cross section (mm²) or (AWG/kcmil)</i>		<i>Material of the wire</i>
Solid wire	Min.		1	0.5mm ²		Copper
Solid wire	Min.		2	0.5mm ²		Copper
Flexible wire	Min.		1	0.75mm ²		Copper
Flexible wire	Min.		2	0.75mm ²		Copper
Flexible wire	Max.		2	2.5mm ²		Copper
Flexible wire	Max.		2	AWG 14		Copper
Single-core or stranded wire	Max.		2	AWG 12		Copper
Single-core or stranded wire	Max.		2	2.5mm ²		Copper
Flexible wire with ferrule according to DIN 46228	Min.		1	0.5mm ²		Copper
Flexible wire with ferrule according to DIN 46228	Max.		2	2.5mm ²		Copper
Flexible wire with ferrule according to DIN 46228	Min.		2	0.5mm ²		Copper
Stripping length						
Length (mm) -						
						
Recommended screw driver						
<i>Type of screw driver</i>				<i>Value</i>		
Cross Screwdriver				PH1		
Slot screwdriver according to DIN 5264				0,8x4		
Tightening torque of screws						
				tightening torque (Nm)		tightening torque (lb-in)
				0,60		5
Approbations						
<i>Specification</i>						<i>Marking</i>
CE marking						
UK Directives						
CSA C.22.2 No.14						
General Information						
<i>Text</i>						
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.						
- DC switching capacity applies to ON/OFF switches.						
- 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.						

General Information


Text

- 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.
- 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)

<i>Picture name</i>	<i>Description</i>
	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

<i>Picture name</i>	<i>Description</i>
	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-Z

IP - Code front side	IP00
Stages	1,00 - 12,00

Wiring diagram

CA10.A175.Z

