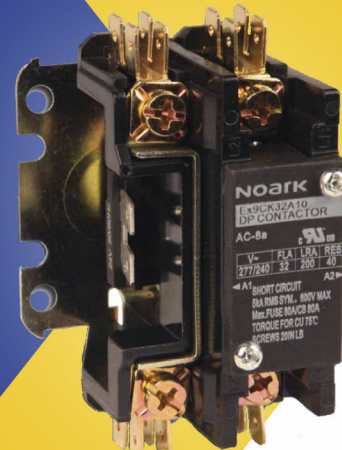
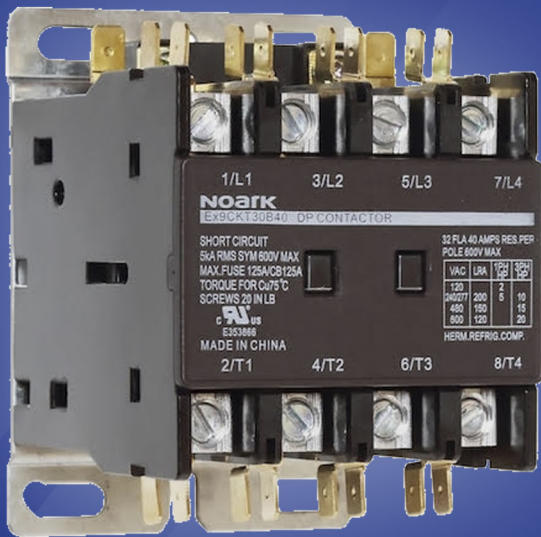




NOARK

Definite Purpose Contactors

ELECTRICAL COMPONENTS



Definite Purpose Contactors



ITC's Definite Purpose (DP) Contactors are AC switching devices, particularly designed to operate components in the heating, ventilation, air conditioning, resistance heating industry. They can also be used to control small motors, and in most applications where low cost and ease of installation are required.

The differences between a general purpose contactor and a D.P. contactor are mainly that the coil cannot be replaced in the latter, and that ratings and contact configurations are studied to suit the application with the minimum cost.

Features and Specifications:

- 1-pole + shunt, 2 and 3 pole configurations
- Terminal connection by screw or quick-connect tabs
- Auxiliary contacts available
- Industry standard mounting plate
- Mounting/wiring instructions in each unit
- "Double E" magnet core provides maximum performance, reduced consumption
- Enclosed coil standard for 3 pole versions
- **Rated current:** 20 to 90A (20, 25, 30, 32, 40, 50, 60, 75 & 90A)
- **Coil voltages:** 24 to 600V, 60Hz
- **Ingress protection:** IP20
- **Approvals:** cCSAus, cURus, complies with IEC/EN 60947, VDE standards, RoHS compliant

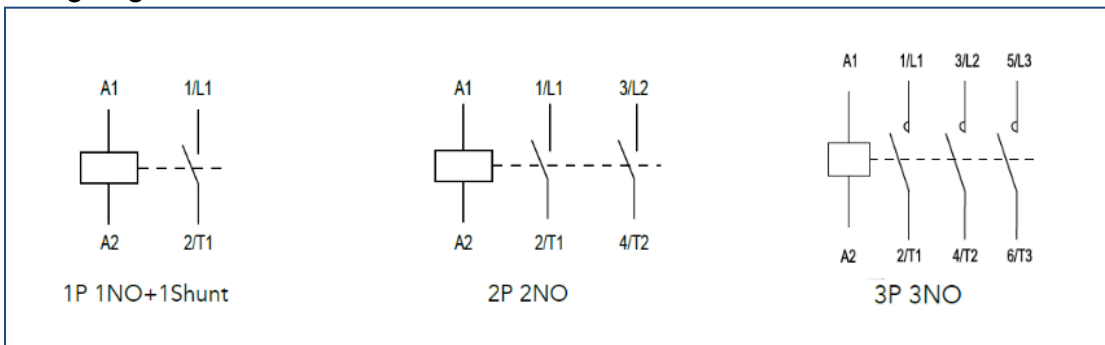


Power Consumption - Ex9CK Coil Specifications

Ex9CK		20			25			30			32			40			50/60	75/90
Poles		1 [^]	2	3	1 [^]	2	3	1 [^]	2	3	1 [^]	2	3	1 [^]	2	3	3	3
Power Consumption (VA)	Inrush @60 Hz	25	40	47	25	40	47	25	40	25	25	40	47	25	40	47	83	250
	Sealed @60 Hz	6.7	8.8	9.3	6.7	8.8	9.3	6.7	8.8	6.7	6.7	8.8	9.3	6.7	8.8	9.3	9.3	27
Operation Range	Pick-up Voltage	85-110% Vs																
	Drop-out Voltage	20-65% Vs																
Power supply voltage Vs		60 Hz; 24-600 VAC																

[^] 1 pole + shunt
Information subject to change without notice

Wiring Diagrams





Definite Purpose Contactors (Order by Part No.)

Part No.	Description
Ex9CK20A10*7	DP contactor 20A 1 pole with shunt screw terminal
Ex9CK20A20*7	DP contactor 20A 2 pole screw terminal
Ex9CK20B10*7	DP contactor 20A 1 pole with shunt tab terminal
Ex9CK20B20*7	DP contactor 20A 2 pole tab terminal
Ex9CK20B30*7^	DP contactor 20A 3 pole tab terminal
Ex9CK25A10*7	DP contactor 25A 1 pole with shunt screw terminal
Ex9CK25A20*7	DP contactor 25A 2 pole screw terminal
Ex9CK25A30*7^	DP contactor 25A 3 pole screw terminal
Ex9CK25B10*7	DP contactor 25A 1 pole with shunt tab terminal
Ex9CK25B20*7	DP contactor 25A 2 pole tab terminal
Ex9CK25B30*7^	DP contactor 25A 3 pole tab terminal
Ex9CK30A10*7	DP contactor 30A 1 pole with shunt screw terminal
Ex9CK30A20*7	DP contactor 30A 2 pole screw terminal
Ex9CK30A30*7^	DP contactor 30A 3 pole screw terminal
Ex9CK30B10*7	DP contactor 30A 1 pole with shunt tab terminal
Ex9CK30B20*7	DP contactor 30A 2 pole tab terminal
Ex9CK30B30*7^	DP contactor 30A 3 pole tab terminal
Ex9CK32A10*7	DP contactor 32A 1 pole with shunt screw terminal
Ex9CK32B20*7	DP contactor 32A 2 pole tab terminal
Ex9CK32B30*7^	DP contactor 32A 3 pole tab terminal
Ex9CK40A10*7	DP contactor 40A 1 pole with shunt screw terminal
Ex9CK40A20*7	DP contactor 40A 2 pole screw terminal
Ex9CK40A30*7^	DP contactor 40A 3 pole screw terminal
Ex9CK40B10*7	DP contactor 40A 1 pole with shunt tab terminal
Ex9CK40B20*7	DP contactor 40A 2 pole tab terminal
EX9CK40B30*7^	DP contactor 40A 3 pole tab terminal
Ex9CK50A30*7^	DP contactor 50A 3 pole screw terminal
Ex9CK50B30*7^	DP contactor 50A 3 pole tab terminal
Ex9CK60A30*7^	DP contactor 60A 3 pole screw terminal
Ex9CK60B30*7^	DP contactor 60A 3 pole tab terminal
Ex9CK75A30*7^	DP contactor 75A 3 pole screw terminal
Ex9CK75B30*7^	DP contactor 75A 3 pole tab g terminal
Ex9CK90A30*7^	DP contactor 90A 3 pole screw terminal
Ex9CK90B30*7^	DP contactor 90A 3 pole tab terminal

* insert the value from coil voltage below

^ enclosed coils standard on 3 pole versions, add 'E' to the end of the part number
Information subject to change without notice

Coil voltage

Value	Voltage (AC)
B	24V
E	48V
F	110V
G	120V
M	220V
P	230V

Value	Voltage (AC)
U	240V
N	277V
Q	380V
R	440V
T	480V
Y	600V



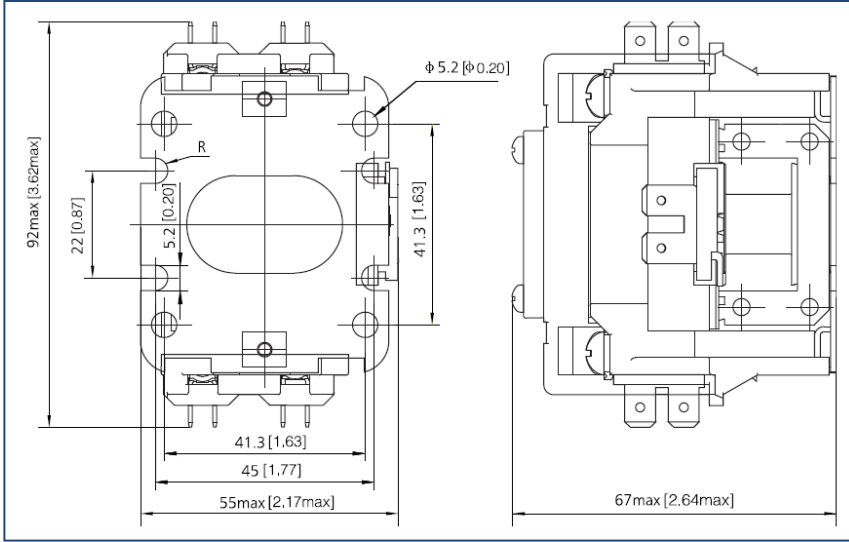
Ex9CK Pole Specifications

Description	Poles	Full Load (A)	Line Voltage (VAC)	Locked Rotor (A)	Conventional Thermal Current (A)	Horsepower (HP)
Ex9CK20	1+shunt	20	277	150	32	-
	2		240/277			
		3	15	600		120
	3		20	240/277		150
		3	15	480		110
	3		15	600		90
Ex9CK25		1+shunt	25	277	150	32
	2	240/277				
		3	20	480	120	
	3		15	600	90	
		3	25	240/277	150	
	3		20	480	110	
3		15	600	90		
	Ex9CK30	1+shunt	30	277	200	40
2		240/277				
		3	25	480	150	
3			20	600	120	
		3	32	240/277	200	
3			25	480	115	
	3	20	600	95		
Ex9CK32		1+shunt	25	277	200	40
	2	240/277				
		3	20	480	150	
	3		15	600	120	
		3	25	240/277	240	
	3		20	480	150	
3		15	600	120		
	Ex9CK40	1+shunt	40	277	240	50
2		240/277				
		3	32	480	200	
3			25	600	160	
		3	40	240/277	240	
3			32	480	150	
	3	25	600	120		
Ex9CK50		3	50	240/277	300	50
	40		480	215	30	
	32		600	175		
Ex9CK60	3	60	240/277	360	75	20
		40	480	215		30
		32	600	175		
Ex9CK75	3	75	240/277	450	90	25
		60	480	375		50
		50	600	300		
Ex9CK90	3	90	240/277	540	100	30
		75	480	450		60
		60	600	360		

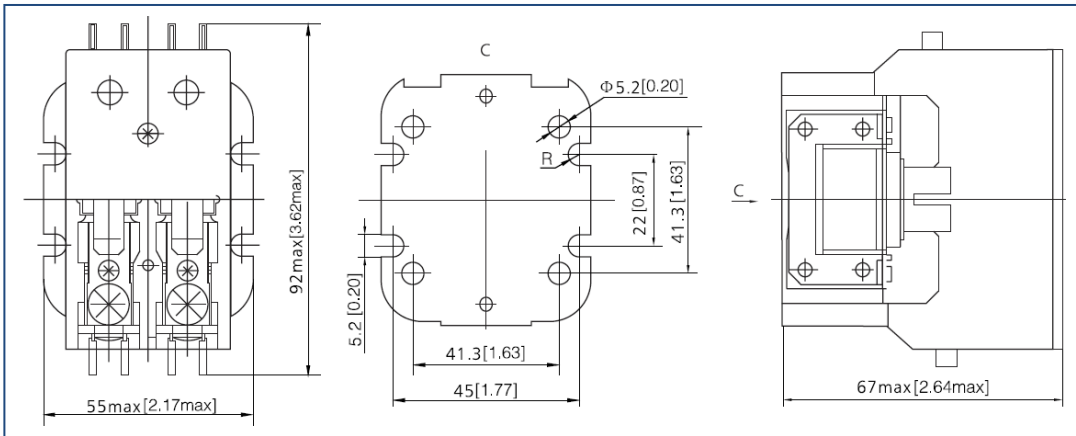
Information subject to change without notice

Dimensional Drawings (all dimensions in mm and subject to change without notification)

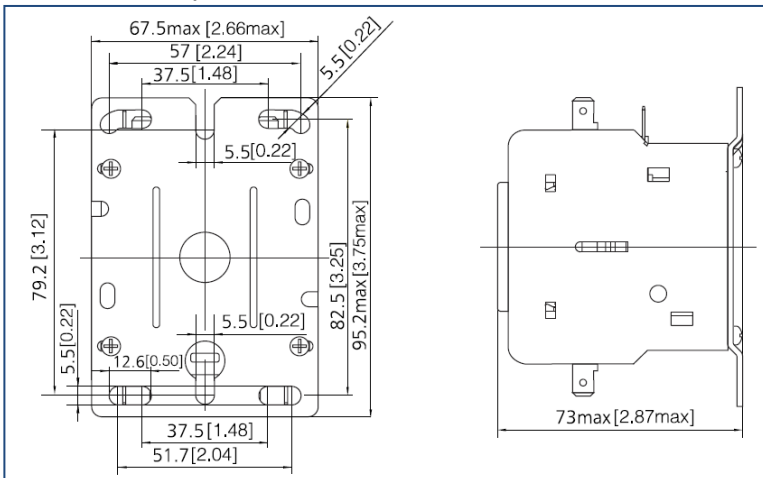
Ex9CK20 - 1 pole + shunt



Ex9CK20-40 - 2 poles



Ex9CK20-40 - 3 poles



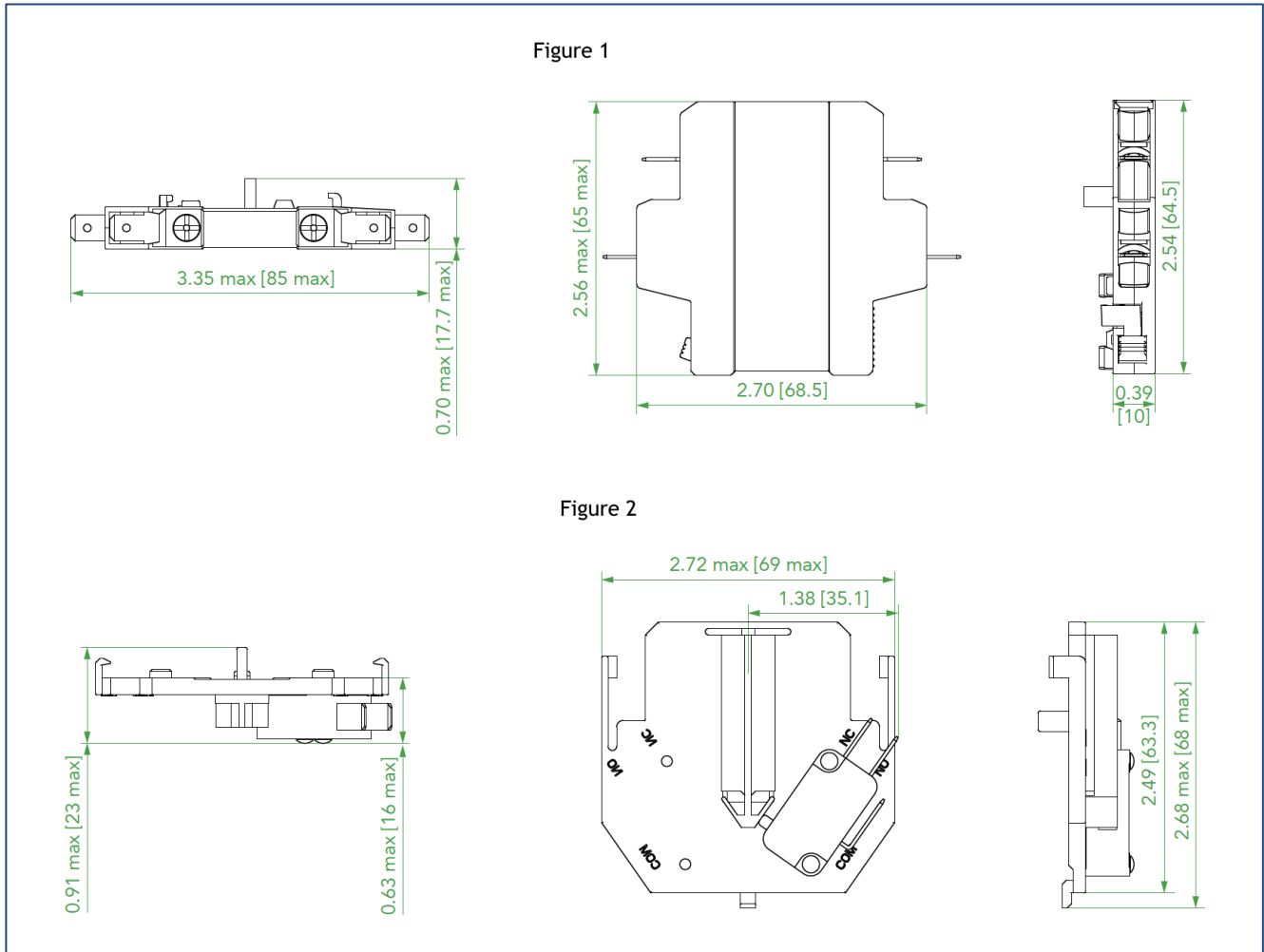
Accessories

Side-Mount Auxiliary Contacts for Definite Purpose Contactors (Order by Part No.)

Part No.	Use on	Coil	Contact	Connection	See figure	Max. mount
AXFC11	Ex9CK50-90 3P	open	1NO+1NC	6.35mm tab or pressure screw	1	2 per side
AXFD11	Ex9CK20-40	open	1NO+1NC micro-switch	6.35mm tab	2	1 per side
AXFD22	Ex9CK20-40	open	2NO+2NC micro-switch	6.35mm tab	2	1 per side

Information subject to change without notice

Side-Mount Auxiliary Contact Dimensional Drawings



All dimensions in mm

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ELECTRICAL COMPONENTS

416.663.7223
www.itcproducts.com
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 Richmond Hill, ON L4B 1E4



DIN Rail



DIN Rail Accessories



Non-Metallic Enclosures



Hinged Enclosures



Thermal Management



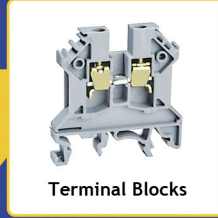
PANEL Lighting



Multipole Connectors



Compact IP68 Connectors



Terminal Blocks



Terminal Strips



22.5mm Pushbuttons



LED Indicators



Control Stations



Limit Switches



Micro Limit Switches



Safety Switches



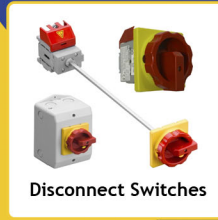
Foot Switches



Circuit Breakers



IEC Contactors



Disconnect Switches



Midget and CC Fuse Holders



Tower Lights



Power Continuity



Ferrules



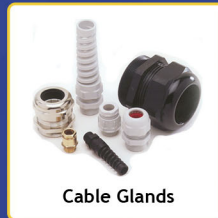
Colour Coded Lugs



Crimp Terminals



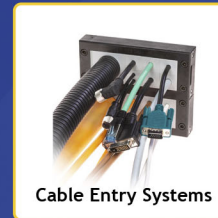
Termination Kits



Cable Glands



Thread Adapters



Cable Entry Systems



Wire Management



DIN Rail Cutters



Assembly Tables



Cutting & Stripping



Crimping Tools



Hole Cutting & Punching Tools

SOME OF OUR MANUFACTURING PARTNERS

