


















Table 19.269: Standard Contact Blocks

Description	Symbol	Type
 (Clear Cover)	 Direct-Acting	KA1
 (Green Cover)		KA2
 (Red Cover)	 Direct-Acting	KA3
 (Clear Cover)	 N.O. Contact Early Closing	KA4
 (Red Cover)	 N.O. Contact Late Opening	KA5
 (Green Cover)	 N.O. Contact Early Closing	KA6

Type KA Contact Blocks

The Class 9001 Type KA contact blocks are Fingersafe® contact blocks (meeting VDE 0106 Part 100). They have one screw mounting and captive (backed out) plus/minus terminal screws. These contact blocks are double-break, direct-acting contacts. Because of the wiping action of these contacts, they are suitable for use with programmable controllers. All contact blocks listed below accept up to 2 #12–#24 AWG solid or stranded wires. Recommended tightening torque for screw terminals is 7 lb-in.

Symbol	Contact Blocks with Binder Head Screws (not Fingersafe)		Gold Flashed Contacts with Standard Pressure Wire Terminals
	Type [119]	Quantity [120]	Type [119]
	KA21	25–Up	KA31
	KA22	25–Up	KA32
	KA23	25–Up	KA33
 N.O. Early Closing	KA24	25–Up	KA34
 N.C. Contact Late Opening	KA25	25–Up	KA35

Contact blocks listed below are not Fingersafe, but provide:

- Terminals that accept ring tongue/fork tongue connectors
- Short single circuit contact blocks (0.75" deep vs. 0.97" deep on the Fingersafe)
- Same as old style Series G product available prior to March, 1989.
- For assembled operators, use form Y238 (add to catalog number as suffix, for example: 9001KRU1H13Y238)



Table 19.271: Contact blocks (not Fingersafe)







Symbol	Type [119]	Symbol	Type [119]
	KA1G	 N.O. Contact Early Closing	KA4G
	KA2G	 N.C. Contact Late Opening	KA5G
	KA3G	 N.O. Contact Early Closing	KA6G

Table 19.272: Contact blocks with Quick-Connect terminals (not Fingersafe)



Symbol	Type [119]
	KA12
	KA13

Table 19.270: Additional Circuit Arrangements

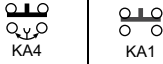
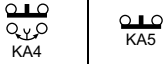
Description	Symbol	Type
Sequencing [118] N.O. Contact of KA4 closes before N.O. Contact on KA1	 KA4 KA1	Order One Type KA4 and One Type KA1
Overlapping [118] N.O. Contact of KA4 closes before N.C. Contact of KA5 Opens	 KA4 KA5	Order One Type KA4 and One Type KA5

Table 19.273: Maximum Current Ratings for Control Circuit Contacts—Types KA1–KA6, KA21–KA25, KA31–KA35, KA1G–KA6G

Volts	AC						Volts	DC				
	Inductive (NEMA / UL Type A600) 35% Power Factor							Inductive and Resistive (NEMA Q600)				
	Make		Break		Continuous Carrying Amperes	Resistive 75% Power Factor Make, Break and Continuous Amperes		Make and Break				Continuous Carrying Capacity
Amperes	VA	Amperes	VA	KA1			KA2 KA3	KA4	KA5 KA6			
120	60	7200	6.0	720	10	10	125	0.55	0.55	—	—	2.5
240	30		3.0				250	0.27	0.27	—	—	
480	15		1.5				600	0.10	0.10	—	—	
600	12		1.2									

[118] For push buttons or two-position selector switches only. For sequencing or overlapping contacts on other operators, refer to catalog 9001CT0001.

[119] When ordering, add prefix 9001 to the catalog number.

[120] Minimum order quantity is 25.