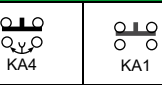
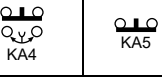


Table 19.268: Standard Contact Blocks

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.C. Contact Late Opening	KA5
 (Green Cover)	 N.O. Contact Early Closing	KA6

Table 19.269: 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

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 19.270: 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 19.271: Contact blocks with Quick-Connect terminals (not Fingersafe)

Symbol	Type [119]
	KA12
	KA13

Table 19.272: 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					Resistive 75% Power Factor Make, Break and Continuous Amperes		Inductive and Resistive (NEMA Q600)					
	Make		Break		Continuous Carrying 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.



KX Square Selectors without Contacts

Table 19.313: Selectors—without Contacts ^[7]

Description	Voltage	Knob Color	Type ^[8]
2-Position, Maintained	Non-Illuminated	—	Black
	Illuminated	24 Vac/dc	Red
	Illuminated	24 Vac/dc	Green
	Illuminated	24 Vac/dc	White
	Illuminated	120 Vac/dc	Red
	Illuminated	120 Vac/dc	Green
	Illuminated	120 Vac/dc	White
	Key (Withdraw L)	—	N/A
	Key (Withdraw R)	—	N/A
	Key (Withdraw Both)	—	N/A
3-Position, Maintained	Non-Illuminated	—	Black
	Key (Withdraw C)	—	N/A
	Key (Withdraw All)	—	N/A
4-Position, Maintained	Non-Illuminated	—	Black

Contact Blocks

Table 19.314: Contact Blocks—Purchase Separately

	Description	Type ^[8]
 (Clear Cover)	1 N.O., 1 N.C.	KA1
 (Green Cover)	1 N.O.	KA2
 (Red Cover)	1 N.C.	KA3
 (Clear Cover)	1 N.C., 1 N.O. (Early Make)	KA4
 (Red Cover)	1 N.C. (Late Break)	KA5
 (Green Cover)	1 N.O. (Early Make)	KA6

^[7] Order contacts separately (See Table 19.314 Contact Blocks, page 19-104)^[8] When ordering, add prefix 9001 to the catalog number.