



# HARTMAN K Series DC Contactors

High Performance 200 to 1000 Amp  
DC Contactors for Aerospace and Defense

# HARTMAN K Series DC Contactors

Lightweight, High Performance 200 to 1000 Amp DC Contactors

## SPACE AND WEIGHT SAVINGS

- Light weight
- Small package size
- Small footprint

## VERSATILE

- Easy to package in panel assemblies
- Not position sensitive; bus bar mount or chassis mount
- Auxiliary contacts available

## RUGGED AND POWERFUL

- Rated 200, 400, 500, and 1000 amps, 28 VDC
- SPST NO, double break
- Meets applicable requirements of MIL-PRF-6106
- 10X rupture current
- Environmentally (gasket) sealed

## APPLICATIONS

- Commercial Aerospace
- Military Aerospace
- Military Ground Vehicles

Reducing size and weight in aerospace and military ground vehicles can afford the opportunity to add greater capability and extend mission times. HARTMAN K Series contactors from TE Connectivity (TE) offer outstanding performance and reliability in a highly efficient package with world class lead times.

## Small Size, Powerful Performance

K Series DC contactors are among the smallest and lightest 200 amp to 1000 amp contactors available in the aerospace industry. These highly flexible bus-bar mounted or chassis-mounted units are designed for either continuous or start duty applications in the DC power distribution systems of commercial and military aircraft, and military ground vehicles.

Description	Contact Arrangement	Sealed	Amp Rating
<b>K 200</b>	SPST NO, Double Break	Gasket	Up to 200
<b>K 400</b>	SPST NO, Double Break	Gasket	Up to 400
<b>K 500</b>	SPST NO, Double Break	Gasket	Up to 500
<b>K 1000</b>	SPST NO, Double Break	Gasket	Up to 1000

## Specifications

Contactor Series	K 200	K 400	K 500	K 1000
<b>Rating</b>	200 A, 28 VDC	400 A, 28 VDC	500 A, 28 VDC	1000 A, 28 VDC
<b>Contact Arrangement</b>	SPST NO, Double Break	SPST NO, Double Break	SPST NO, Double Break	SPST NO, Double Break
<b>Resistive Rating</b>	200 A	400 A	500 A	1000 A
<b>Rupture Rating</b>	2000 A	4000 A	5000 A	—
<b>Temperature Range</b>	-40°C to +85°C	-40°C to +85°C	-55°C to +85°C	-55°C to +71°C
<b>Weight</b>	0.31 to 0.41 lbs.	0.59 to 0.75 lb.	0.88 lb. max.	2.75 lbs max.
<b>Operating Cycles at Rated Resistive Load (Min.)</b>	50,000	50,000	50,000	50,000
<b>Operating Cycles, Mechanical (Min.)</b>	100,000	100,000	100,000	100,000
<b>Duty Cycle</b>	Electronically Economized with Suppression	Electronically Economized with Suppression	Continuous, Economizing	Continuous, Economizing
<b>Auxiliary Contacts</b>	Optional	Optional	Optional	Optional

**TE Components . . . TE Technology . . . TE Know-how . . .**  
AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH  
SEACON Phoenix | LL ROWE | Phoenix Optix | AFP | SEACON

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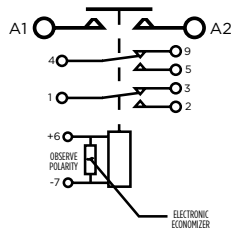
Ordering Information



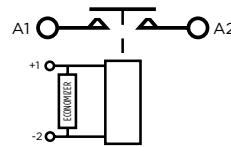
**K 200 Series Contactors**

HARTMAN Part No.	Mounting Style	Coil Type	Circuit Configuration	TE Part No.
<b>K200A1C</b>	Chassis Mount	Economized with Suppression	2	5-1616970-9
<b>K200B3C02</b>	Bus Bar Mount		1	4-1616968-7
<b>K200B1C</b>	Bus Bar Mount		2	6-1616970-0
<b>K200A3C</b>	Chassis Mount		1	8-1616977-1

**Circuit Configurations**  
(Consult TE for other available circuit configurations)



**Circuit Configuration 1**



**Circuit Configuration 2**

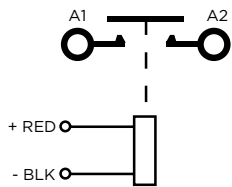




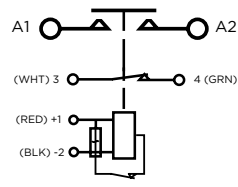
**K 400 Series Contactors**

HARTMAN Part No.	Mounting Style	Coil Type	Circuit Configuration	TE Part No.
K4001A3C	Chassis Mount	Economized with Suppression	4	6-1616968-5
K4001B3C	Bus Bar Mount		4	4-1616959-0
K400A1F	Chassis Mount	Continuous	1	6-1616945-7
K400A4C1		Economized with Suppression	2	6-1616965-1
K400B1F	Bus Bar Mount	Continuous	1	2-1616921-3
K400B3C05		Economized with Suppression	6	7-1616941-3
K4001B7C			5	4-1616959-8
K4001A7C	Chassis Mount	Economized with Suppression	5	6-1616970-7
K4001B2C	Bus Bar Mount		3	6-1616970-8
K4001A2C	Chassis Mount		3	6-1616970-6
K4001A1C1	Chassis Mount		7	6-1616998-5
K4001B1C1	Bus Bar Mount		7	6-1616998-6
K4001B8C2			8	5-1616986-8
K4001B8C3			8	5-1616986-9
K4001B8C4			8	9-1616986-6
K4001B5C2				9

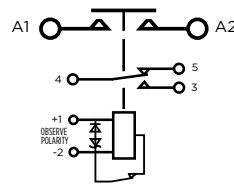
**Circuit Configurations** (Consult TE for other available circuit configurations)



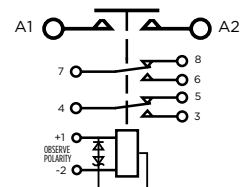
**Circuit Configuration 1**



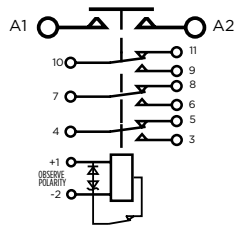
**Circuit Configuration 2**



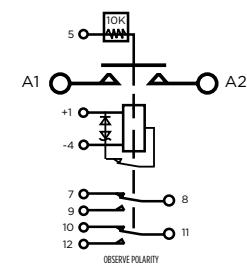
**Circuit Configuration 3**



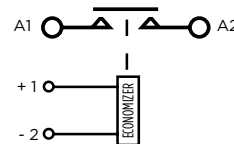
**Circuit Configuration 4**



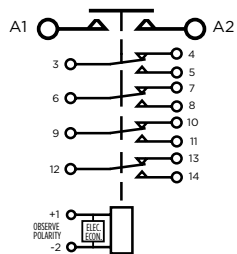
**Circuit Configuration 5**



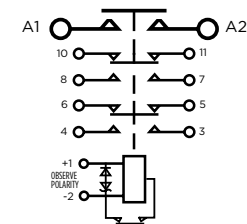
**Circuit Configuration 6**



**Circuit Configuration 7**



**Circuit Configuration 8**



**Circuit Configuration 9**

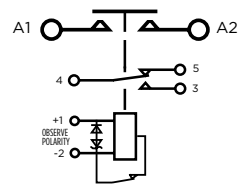




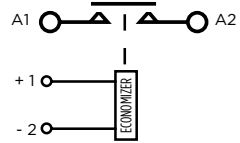
## K 500 Series Contactors

HARTMAN Part No.	Mounting Style	Coil Type	Circuit Configuration	TE Part No.
K500B2C	Bus Bar Mount	Economized with Suppression	1	7-1616927-0
K500A2C	Chassis Mount		1	4-1616951-4
K500B3C	Bus Bar Mount		2	7-1616970-0
K500A3C	Chassis Mount		2	6-1616970-9
K500B7C01	Bus Bar Mount		3	9-1616965-0
K500A7C01	Chassis Mount		3	2-1616970-8
K500A1C	Chassis Mount		4	1-1616992-7
K500B1C	Bus Bar Mount		4	2-1616992-8
K500B3C02	Bus Bar Mount		5	7-2252003-3

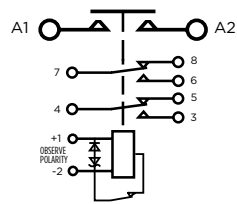
**Circuit Configurations** (Consult TE for other available circuit configurations)



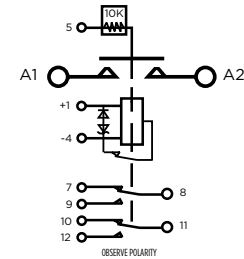
**Circuit Configuration 1**



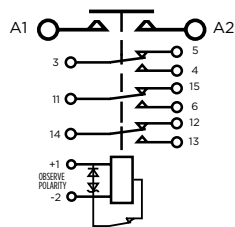
**Circuit Configuration 4**



**Circuit Configuration 2**



**Circuit Configuration 5**



**Circuit Configuration 3**

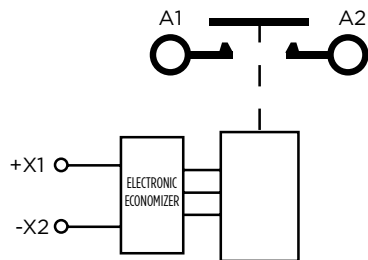


## K 1000 Series Contactors

HARTMAN Part No.	Mounting Style	Coil Type	Circuit Configuration	TE Part No.
K-1000A1F03	Chassis Mount	Economized with Suppression	1	4-1616966-1

**Circuit Configurations**

(Consult TE for other available circuit configurations)



**Circuit Configuration 1**



## LET'S CONNECT

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Consult TE for the latest dimensions and design specifications.

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