

TE Connectivity

KILOVAC Contactors Helping To Power the Future of Flight



INTRODUCTION

TE Connectivity's (TE) KILOVAC DC contactors deliver the switching performance demanded by aerospace applications. These lightweight contactors offer continuous current ratings up to 1000 A at 1000 VDC in very compact packages. Their hermetically sealed designs ensure high levels of performance and rugged reliability.

Standard KILOVAC and customized individual contactors are available, as well as custom designed main power and high voltage distribution assemblies, designed and qualified to customer requirements.

In addition to our contactors and panels, TE also offer a standard line of 100 A and 500 A remote power controllers for use in 12 to 600 VDC applications.

KEY FEATURES

HIGH PERFORMANCE

- Operating temperature ranges from -40°C to +125°C
- Continuous current ratings up to 1000 A at 1000 VDC

VERSATILE

- Bidirectional switching
- Not position sensitive; mount in a variety of orientations
- Standard and customized contactors available

HERMETICALLY SEALED

- Designed for application in harsh and explosive environments
- Reduced contact oxidation over periods of non-use

SPACE AND WEIGHT SAVINGS

- Choose from a full range of compact, lightweight DC contactors

TARGET MARKETS / APPLICATIONS

ELECTRIC AIRCRAFT & E-TAXI

- Power Distribution
- Lithium Ion Battery Systems

Key Differentiators:


- TE's KILOVAC flight contactors are designed to meet airworthiness standards and are in service on multiple aircraft platforms
- Flight certification allows engineers to choose approved parts at the design stage







FOR MORE INFORMATION, CONTACT TE'S PRODUCT INFORMATION CENTER:

1-800-522-6752

KILOVAC Electric Aircraft Product Guide

Clicking on the images below will take you to te.com product pages

KILOVAC HVDC CONTACTORS						
PRODUCT SERIES	CAP 120	CAP 200A	CAP 202	KHR500	K1K	CAP200P (pre-production)
Primary Contact Configuration	SPST-NO	SPST-NO	DPST-NO	SPST-NO	SPST-NO	SPST-NO Latching
Contact Rating (Amps)	150	500	350	600	1,000	500
Bi-Directional Switching	Yes	No	Yes	Yes	Yes	No
Contact Voltage (VDC)	12 to 600	12 to 900	12 to 600	12 to 1000	12 to 1000	12 to 1000
Auxillary Contacts	No	Optional	Optional	Yes	Optional	Optional
Coil Voltage (VDC)	12 or 28	28	12 or 28	12 or 28	12 or 28	12 or 28
Coil Economizer	Dual-Coil Electronic Cutthroat	Mechanical	Dual-Coil Electronic Cutthroat	Dual-Coil Electronic Cutthroat	Dual-Coil Electronic Cutthroat	Not Required
Sealing	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic

CUSTOM SPECIAL APPLICATION PRODUCTS					
DESIGNED TO CUSTOMER SPECS	Electro Mechanical Diode Contactor	Current Sensing RPC Contactors	125A HVDC Solid State Power Controller	225A HVDC Solid State Power Controller	Ground Fault Circuit Interrupters
CUSTOM POWER DISTRIBUTION ASSEMBLIES	 <p style="text-align: center;">HVDC LRU - Custom EDUs & PDUs to meet your critical requirements</p>				