

## High Reliability Hermetic Relays for Space Applications



TE Brand	CII	CII	CII	CII	CII	CII	KILOVAC	KILOVAC	KILOVAC	KILOVAC
<b>Series</b>	MA/MS	MGA/MGS	3SBC	3SBH	3SBM	HFW/HMS	AP10	AP10	K40P	K41C, R
<b>Package</b>	TO-5	Minigrid	1/5th size	1/5th size	1/5th size	1/2 size	Vacuum	Panel Mnt	Vacuum	Vacuum
<b>Contact Form</b>	DPDT	DPDT	DPDT	4PDT	4PDT	DPDT	SPST	SPST	SPST	SPDT
<b>Auxiliary Contacts</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Continuous Current (amps)</b>	1	1	2	2	2	2	10-25	25-30	35	25
<b>Max. Contact Voltage</b>	28VDC	28VDC	28VDC	28VDC	28VDC	28VDC	270VDC	270VDC	5KV	5KV
<b>Side Stable (SS) or Latching</b>	SS	SS	SS	SS	Latching	SS	Both	Both	Latching	Both
<b>Coil Voltage Options (VDC)</b>	5-48	5-48	5 to 36	6 to 36	6 to 26.5	5-26.5	12.28	12.28	26.5	26.5
<b>Temp Range (degrees C)</b>	-65 to +125	-65 to +125	-65 to +125	-65 to +125	-65 to +125	-65 to +125	-55 to +85	-55 to +85	-55 to +125	-55 to +125
<b>Shock</b>	75 g	75 g	100 g	100 g	150 g	100 g	50 g	50 g	50 g	30/50 g
<b>Vibration</b>	30 g	30 g	30 g	30 g	30 g	30 g	10 g	10 g	30 g	10 g
<b>Millipore Cleaning</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Pre-Cap Inspection</b>	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
<b>Seal</b>	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic	Hermetic

## High Reliability Hermetic Contactors for Space Applications



TE Brand	HARTMAN	HARTMAN	KILOVAC	KILOVAC
<b>Series</b>	N200	N400	MAP101	MAP200
<b>Package</b>	Contacto	Contacto	Contacto	Contacto
<b>Contact Form</b>	SPDT	1 to 3PDT	SPST, NO	SPST, NO
<b>Auxiliary Contacts</b>	Yes	Yes	Yes	Yes
<b>Continuous Current (amps)</b>	50	30-100	100	500
<b>Max. Contact Voltage</b>	28-40VDC	28-35VDC	12-900VDC	12-900VDC
<b>Side Stable (SS) or Latching</b>	Latching	Latching	Both	Both
<b>Coil Voltage Options (VDC)</b>	28VDC	28VDC	28VDC	28VDC
<b>Temp Range (degrees C)</b>	-65 to +125	-55 to +125	-55 to +85	-55 to +85
<b>Shock</b>	100 g	200 g	20 g	20 g
<b>Vibration</b>	15 g	15 g	20 g	20 g
<b>Millipore Cleaning</b>	N/A	N/A	N/A	N/A
<b>Pre-Cap Inspection</b>	Optional	Optional	Optional	Optional
<b>Seal</b>	Hermetic	Hermetic	Hermetic	Hermetic

### Product Notes:

- 1) Data listed reflects catalog parts and is intended as a baseline
- 2) CII offers many Mil-PRF-39016 FR level "P" qualified products
- 3) CII offers several relay series to NASA Goddard specs
- 4) Space application Relays & Contactors are typically unique to customer source control drawing requirements. An SCD should be submitted for TE engineering review. Please submit your SCD requirements to your TE Account Manager or the applicable Product Manager to start the review process. Upon agreement of the requirements, a special part number will be assigned to your SCD for configuration control.
- 5) Millipore Cleaning, Source Inspection and other unique processing and inspection requirements are available on applicable products at an additional charge.