



Electronic motor protection

The HiMP series protection relay provides superior reliability through its micro controller unit (of all three phases). For direct connection to motor circuits 5A, 22A, 50A or through conventional 5A CTs (with the 5A device).



HiMP22K-TI

HiMP electronic motor protection relay

- supply: 240V AC 50/60Hz (15-120%)
- aux: 2 SPST 3A/250VAC

Protection	Time delay
over current	0.2-30 sec
phase failure	2 sec
phase unbalance	5 sec
restriction	characteristic curve



HiMP22K-SI

type	current range	description	price
HIMP22K-SI-05	1.0 - 5.0A	electronic motor protection relay	
HIMP22K-SI-22	4.4 - 22 A	electronic motor protection relay	
HIMP50K-SI-50	10 - 50 A	electronic motor protection relay	
HIMP-rail	DIN-rail mounting adaptor for above protection relays		

HiMP digital motor protection (IEC60947)

Provides superior reliability with real time processing and high precision. (DIN rail mounting)

Basic functions • over current • under current • stall • lock • phase loss/unbalance/reversal
Optional • earth leakage fault

- preliminary alert function prevents sudden overcurrent trips
- bar graph load ratio indication on front display.
- accumulated motor operating time displayed (with programmable service intervals)
- digital current indication of all three phases
- removable front display (for panel door mounting)



HiMP-D60S

Protection	Range	Time setting
over-current	over 112.5% +/- 5%-inverse (cold/hot curve)	1-30sec(600% basis)
under-current	30 - 70% of operating current adjustable	1-30sec
phase failure	over 70% of unbalance rate	2 sec
phase unbalance	over 50% of unbalance rate	5 sec
restriction- stall	over 180% of set current	5 sec
- lock	200-1000% (adjustable)	within 2msec
reverse phase	reverse phase protection at start	within 500msec
*leakage current	100-2500mA (adjustable)	0.1 - 10sec
*short circuit	200-1000% (adjustable)	within 50msec

* optional earth leakage (or) short circuit protection

type	current range	description	price
HIMP-D06S	0.5 - 6A	digital motor protection relay	
HIMP-D60S	5 - 60A	digital motor protection relay	
HIMP-D06SZ	0.5 - 6A	motor protection relay with earth leakage	
HIMP-D60SZ	5 - 60A	motor protection relay with earth leakage	

Accessories

HIMP-bracket	adaptor for separate panel mounting of display
HIMP-CBL1.5	1.5m cable for connection between relay and display
HIMP-ZCT30	ZCT for earth leakage protection 30mm hole
HIMP-ZCT80	ZCT for earth leakage protection 80mm hole
HIMP-ZCT100	ZCT for earth leakage protection 100mm hole



HiMP-D06S