

PTC thermistors for overcurrent protection

▶ Leaded disks, coated, 12V to 65V

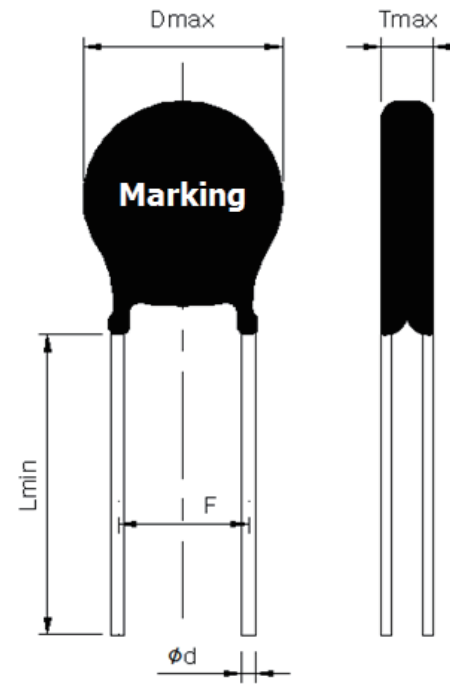
◆ Applications

- Overcurrent protection
- Short circuit protection

◆ Features

- Low resistance
- Marking : manufacture' logo
reference temperature in °C and date code

ex **HP**
08060 HP : Hiel PTC / 08060 : data code



Symbols and terms

R_{25}	Resistance at 25°C
R_b	Resistance switching temperature
T_b	Switching temperature
V_R	Rated voltage
V_{max}	Maximum operating voltage
V_w	Withstanding voltage
I_{res}	Residual current
I_{max}	Maximum current
I_t	Tripping current
I_{nt}	maximum non-tripping current
T_s	Switching time

Dimensions

Dim.	Dmax	Tmax	L	F	Φd
D04	5.5	5.0	4 ~ 22	5.0	0.6
D05	6.5	5.0		5.0	0.6
D06	7.5	5.0		5.0	0.6
D07	8.5	5.0		5.0	0.6
D08	9.5	5.0		5.0	0.6
D10	13	5.5		5.0~7.0	0.6~0.8
D14	17	7		7.5~10.0	0.8

Part no. (Logo : HP)	온도	상온저항	정격전압	최대전압	내전압	동작시간	안정전류	최대전류	부동작전류	동작전류	Part no. (Logo : SYP)
	T_b	R_{25}	V_R	V_{max}	V_{WS}	T_s	I_{res}	I_{max}	I_{nt}	I_t	
	[°C]	[Ω]	[V]	[V]	[V]	[Max. sec]	[mA]	[A]	[mA]	[mA]	
HP GR 08 060 J D 06 00 S 25 A	80	5 ±25%	24	30	50	3.0	32.0 ±30%	1.0	160	320	SYP GR 08 060 J D 06 - S 25
HP GR 08 060 J D 06 00 S 25 A	80	6 ±25%	24	30	50	3.0	30.0 ±30%	1.0	160	320	SYP GR 08 060 J D 06 - S 25
HP GR 08 100 M D 06 00 S 25 A	80	10 ±20%	65	80	50	2.0	14.5 ±30%	1.0	90	180	SYP GR 08 100 M D 06 - S 25
HP GR 10 120 J D 07 00 E 25 A	100	12 ±25%	63	80	100	3.0	13.0 ±30%	1.0	120	240	SYP GR 10 120 J D 07 - I 25
HP GR 12 200 M D 05 00 E TP A	120	20 ±20%	12	20	100	4.0	45.0 ±30%	-	110	220	SYP GR 12 200 M D 05 - I T