



## Insulation Related Characteristics

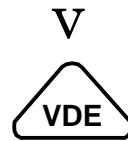
Minimum creepage distance (*)	Cr	4.0 mm
Minimum clearance (*)	Cl	4.0 mm
Minimum insulation thickness	ti	0.4 mm
Comperative tracking index (DIN IEC112/VDE0303, part 1)	CTI	175 (VDE0110 teil 1/01.89 group IIIa)

\*: in accordance with DIN VDE0110 teil 1/01.89, table 2, & 4

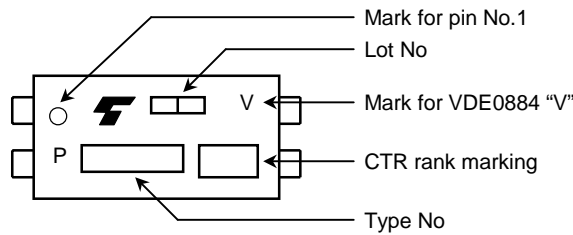
1. If a printed circuit is incorporated, the creepage distance and clearance may be reduced below this value. If this is not permissible, the user shall take suitable measures.
2. This photocoupler is suitable for 'safe electrical isolation' only within the safety limit data. Maintenance of the safety data shall be ensured by means of protective circuits.

VDE test sign : Marking on product for VDE0884

: Marking on paking for VDE0884



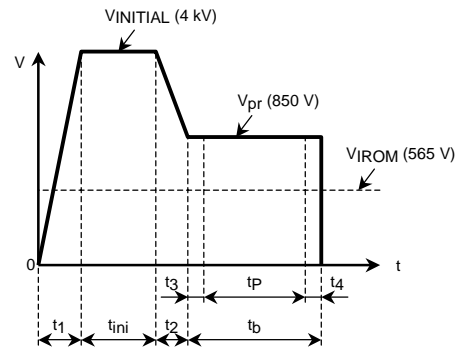
Marking example :



**Figure 1 Partial discharge measurement procedure according to VDE0884  
Destructive test for qualification and sampling tests.**

Method A  
(for type and sampling tests, destructive tests)

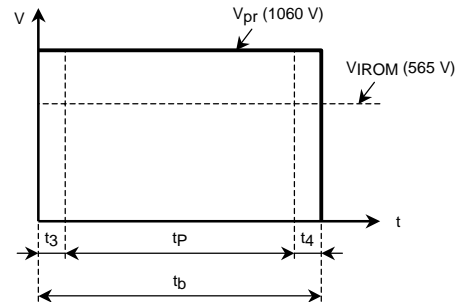
$t_1, t_2$	= 1 to 10 s
$t_3, t_4$	= 1 s
$t_P$ (Measuring time for partial discharge)	= 60 s
$t_b$	= 62 s
$t_{ini}$	= 10 s



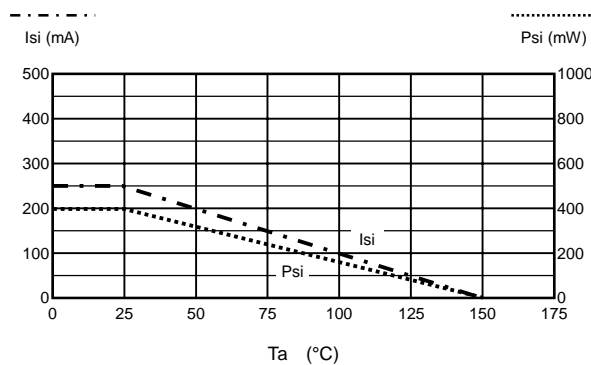
**Figure 2 Partial discharge measurement procedure according to VDE0884  
Non-destructive test for 100% inspection.**

Method B  
(for sample test, non-destructive test)

$t_3, t_4$	= 0.1 s
$t_P$ (Measuring time for partial discharge)	= 1 s
$t_b$	= 1.2 s



**Figure 3 Dependency of maximum safety ratings on ambient temperature**



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000707EBC

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