





INSULATION RELATED SPECIFICATIONS

		 7.62mm pitch TLPxxx type	 10.16mm pitch TLPxxxF type
Minimum Creepage Distance (*)	Cr	7.0mm	8.0mm
Minimum Clearance (*)	Cl	7.0mm	8.0mm
Minimum Insulation Thickness	ti	0.5mm	
Comperative Tracking Index (DIN IEC112/VDE0303, Part 1)	CTI	175 (VDE0110 Teil 2/01.89 Group III a)	

(\*) in accordance with DIN VDE0110 Teil 2/01.89, Table 2, & 4

1. If a printed circuit is incorporated, the creepage distance and clearance may be reduced below this value (e. g. at a standard distance between soldering eye centres of 7.5mm). 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.

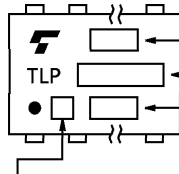
VDE Test sign : Marking on product  
for VDE0884



Marking on packing  
for VDE0884



Marking Example :



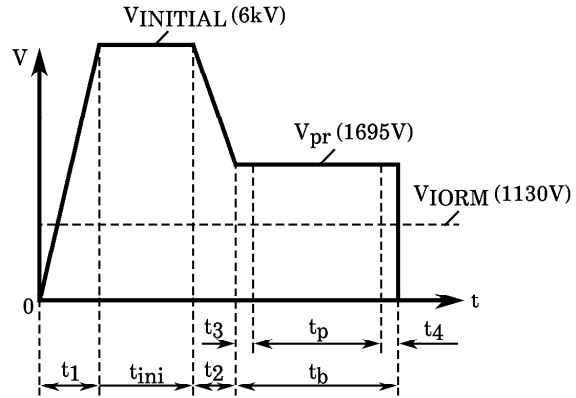
Lot No.  
TYPE NAME  
CTR or  
IFT Rank Marking

mark for option (D4)

**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)

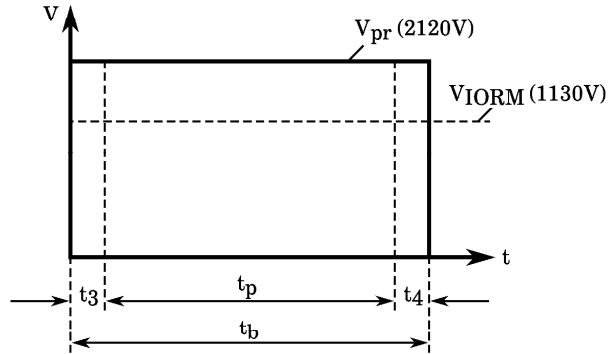
$t_1, t_2$  = 1 to 10s  
 $t_3, t_4$  = 1s  
 $t_p$  (Measuring time for partial discharge) = 60s  
 $t_b$  = 62s  
 $t_{ini}$  = 10s



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

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

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



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

