

WTH-100/G/1P-255

Requirement class to VDE 0675	B+C
Requirement class to EN 61643-11	Type 1+2
Requirement class to IEC61643-1	Class I+II
Location of use:	Main distribution boards
Protection modes:	N-PE
Protective element:	High Energy GDT
High surge discharge ratings:	$I_{max} = 100kA (8/20)$
Housing:	Compact design

Technical data

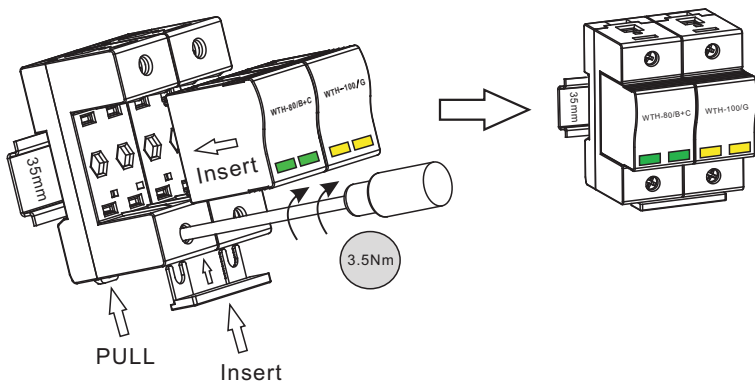
Type	WTH-100/G/1P-255	
In accordance with	IEC 61643-1	
Max. continuous operating voltage (AC/DC)	U_c	255V
Nominal discharge current (8/20)	I_n	40kA
Max. discharge current (8/20)	I_{max}	100kA
Pulsed current (10/350)	I_{imp}	10kA
Voltage protection level	U_p	< 1.0kV
Follow current	I_f	100A RMS
Response time	t_A	100ns
Terminal screw torque	Max. 3.5Nm	
Temperature range	- 40°C ... + 80°C	
Terminal cross section	35mm ² (solid) / 25mm ² (stranded)	
Din Rail EN60715	35mm top hat rail	
Protection rating	IP 20	
Housing material	thermoplastic; extinguishing degree UL 94 V-0	
Dimensions DIN 43880	2TE	
Fault Indication	No	

Ordering code	502 018
---------------	---------

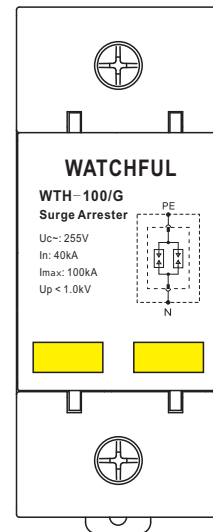
Installation

Example:

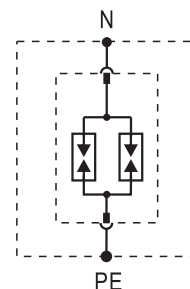
WTH-80/B+C/1P+NPE



Single-pole N-PE Lightning & Surge Arrester $I_{max} = 100kA (8/20)$



Connection diagram



Dimensions

