

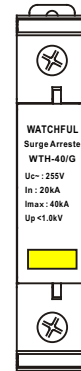
# WTH-40/G/1P-255

Requirement class to VDE 0675	C
Requirement class to EN 61643-11	Type 2
Requirement class to IEC61643-1	Class II
Location of use:	Branch sub-distribution boards
Protection modes:	N-PE
Protective element:	GDT
High surge discharge ratings:	$I_{max} = 40kA$
Housing:	Modular design

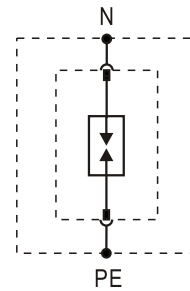
## Technical data

Type	WTH-40/G/1P-255	
In accordance with	IEC 61643-1	
Max. continuous operating voltage (AC)	$U_c$	255V
Nominal discharge current (8/20)	$I_n$	20kA
Max. discharge current (8/20)	$I_{max}$	40kA
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 <sup>2</sup> (solid) / 25mm <sup>2</sup> (stranded)	
Din Rail EN60715	35mm top hat rail	
Protection rating	IP 20	
Housing material	thermoplastic; extinguishing degree UL 94 V-0	
Dimensions DIN 43880	1TE	
Ordering code	502 015	

Single-pole N-PE  
Lightning & Surge Arrester  
 $I_{max} = 40kA (8/20)$



## Connection diagram



## Dimensions

