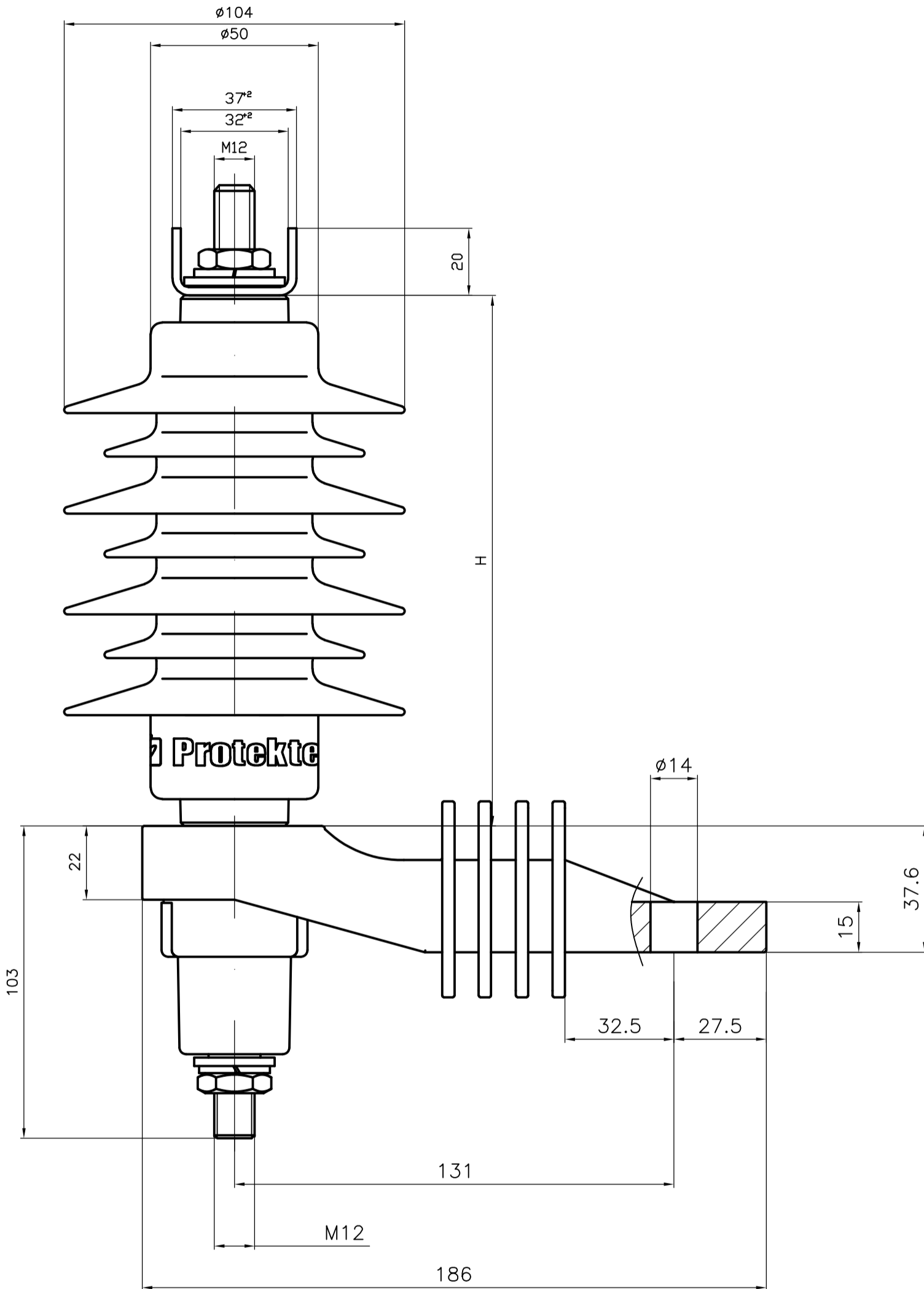


CHARACTERISTIC	
RATED VOLTAGE	9 kVrms
MCOV	7.2 kVrms
MASS	0.8 kg
COG ABOVE BASE	-
CREEPAGE DISTANCE	242 mm
STRIKE DISTANCE	137 mm
LIGHTNING IMP W/S	54 kVpk
SWITCHING IMP WET W/S	-
POWER FREQ WET W/S	26 kVrms
TOV 1s NO PRIOR DUTY	10.6 kVrms
TOV 10s NO PRIOR DUTY	10.07 kVrms
TOV 1s W/PRIOR DUTY	9.98 kVrms
TOV 10s W/PRIOR DUTY	9.94 kVrms

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	1779 N
ULTIMATE (max pk)	2847 N

RECOMMENDED CLEARANCE (CENTER-CENTER)	
PHASE TO GROUND	94 mm
PHASE TO PHASE	110 mm

1/... μs 10kA kV	Residual voltage[kV]; wave 30/60 μs		Maximum residual voltage [kV]; wave 8/20μs						
	250 A	500 A	2.5 kA	5 kA	10 kA	20 kA			
26.2	17.6	18.3	20.7	22.1	24.3	26.5			
According to specification			9.0	7.2	118	03			
Materials			Comments	Ur	Uc	-	H	-	Ver.
b									
a									
Zm.	Nr zm.	Wazna od	Nazwisko	Data	Zm.	Nr zm.	Wazna od	Nazwisko	Data
Designed		Daniel Stempiń		14.04.19	Tolerances				
Checked					IT14 ISO 286-1:2010				
Approved					Scale				
PROTEKTEL		PROXAR-IN 9 AC				SN1 A05			



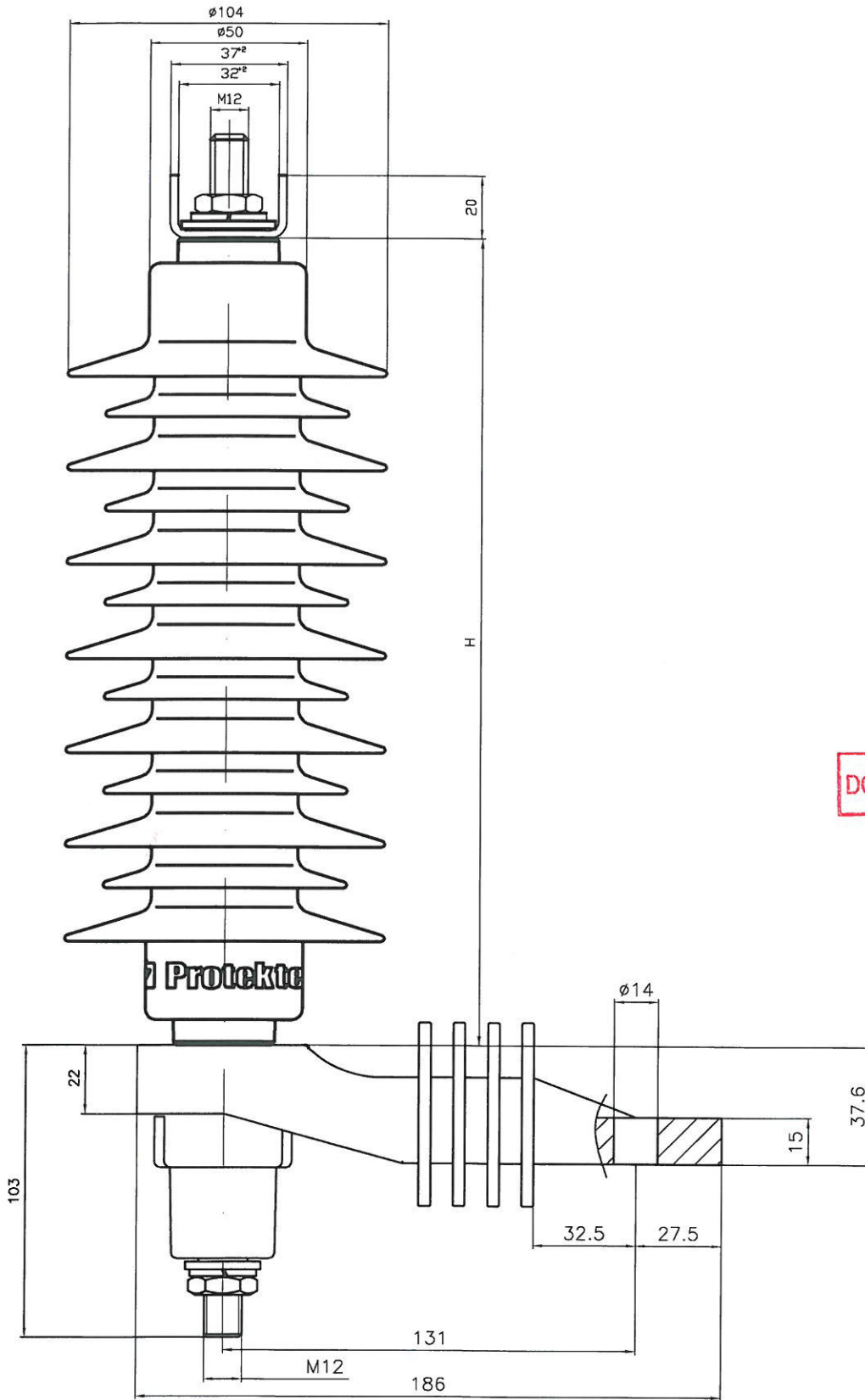
CHARACTERISTIC	
RATED VOLTAGE	15.0 kVrms
MCOV	12.0 kVrms
MASS	1.58 kg
COG ABOVE BASE	-
CREEPAGE DISTANCE	436 mm
STRIKE DISTANCE	181 mm
LIGHTNING IMP W/S	88 kVpk
SWITCHING IMP WET W/S	-
POWER FREQ WET W/S	42 kVrms
TOV 1s NO PRIOR DUTY	17.76 kVrms
TOV 10s NO PRIOR DUTY	16.79 kVrms
TOV 1s W/PRIOR DUTY	16.64 kVrms
TOV 10s W/PRIOR DUTY	16.56 kVrms

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	1329 N
ULTIMATE (max pk)	2126 N

RECOMMENDED CLEARANCE (CENTER-CENTER)	
PHASE TO GROUND	146 mm
PHASE TO PHASE	162 mm

1/... μs 10kA kV	Residual voltage[kV]; wave 30/60 μs		Maximum residual voltage [kV]; wave 8/20μs						
	250 A	500 A	2.5 kA	5 kA	10 kA	20 kA			
43.67	29.4	30.6	34.4	36.9	40.5	44.1			
According to specification			15	12	158	05			
Materials			Comments	Ur	Uc	-	H	-	Ver.
b									
a									
Zm.	Nr zm.	Wazna od	Nazwisko	Data	Zm.	Nr zm.	Wazna od	Nazwisko	Data
Designed	Daniel Stempiń		04.12.2019		Tolerances				
Checked					IT14 ISO 286-1:2010				
Approved					Scale				
					1:1				
PROTEKTEL	Surge Arrester PROXAR-IN 15 AC					SN1 2 A08			

Technical Specification Datasheet PROXAR-IN AC 21 (111007)



DOKUMENTACJA PRODUKCYJNA

CHARACTERISTIC	
RATED VOLTAGE	21.0 kVrms
MCOV	17.0 kVrms
MASS	2.3 kg
COG ABOVE BASE	-
CREEPAGE DISTANCE	767 mm
STRIKE DISTANCE	277 mm
LIGHTNING IMP W/S	174 kVpk
SWITCHING IMP WET W/S	-
POWER FREQ WET W/S	84 kVrms
TOV 1s NO PRIOR DUTY	24.74 kVrms
TOV 10s NO PRIOR DUTY	23.5 kVrms
TOV 1s W/PRIOR DUTY	23.29 kVrms
TOV 10s W/PRIOR DUTY	21.84 kVrms

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	817 N
ULTIMATE (max pk)	1307 N

RECOMMENDED CLEARANCE (CENTER-CENTER)	
PHASE TO GROUND	198 mm
PHASE TO PHASE	214 mm

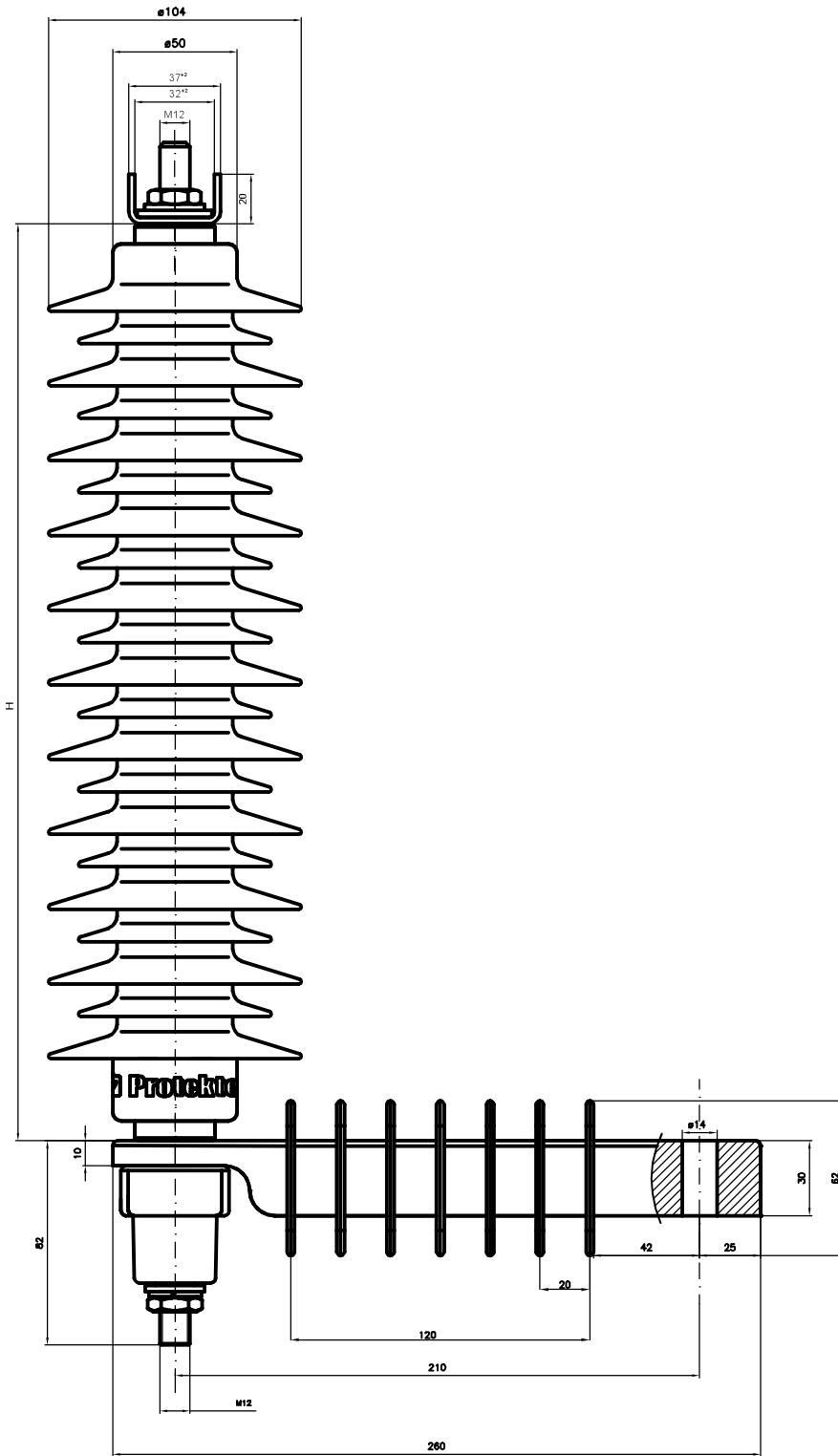
1/... μs 10kA kV	Residual voltage [kV]; wave 30/60 μs		Maximum residual voltage [kV]; wave 8/20 μs				
	250 A	500 A	2.5 kA	5 kA	10 kA	20 kA	
61.99	41.7	43.4	48.9	52.3	57.5	62.7	
According to specification			21	17.0	257	07	
Materials			Ur	Uc	-	H	Ver.
Designed			Tolerances				
Checked			IT14 ISO 286-1:2010				
Approved			Scale				
			1:1				
PROTEKTEL			Surge Arrester PROXAR-IN 21 AC			SN1 2 A08	

PROTEKTEL Sp. z o.o.

ul. Piłsudskiego 92, 06-300 Przasnysz
 NIP 7611539128, Regon: 142212143
 KRS: 0000670659
 tel./fax. (29) 752 57 84



PROXAR IN 44kV 118009



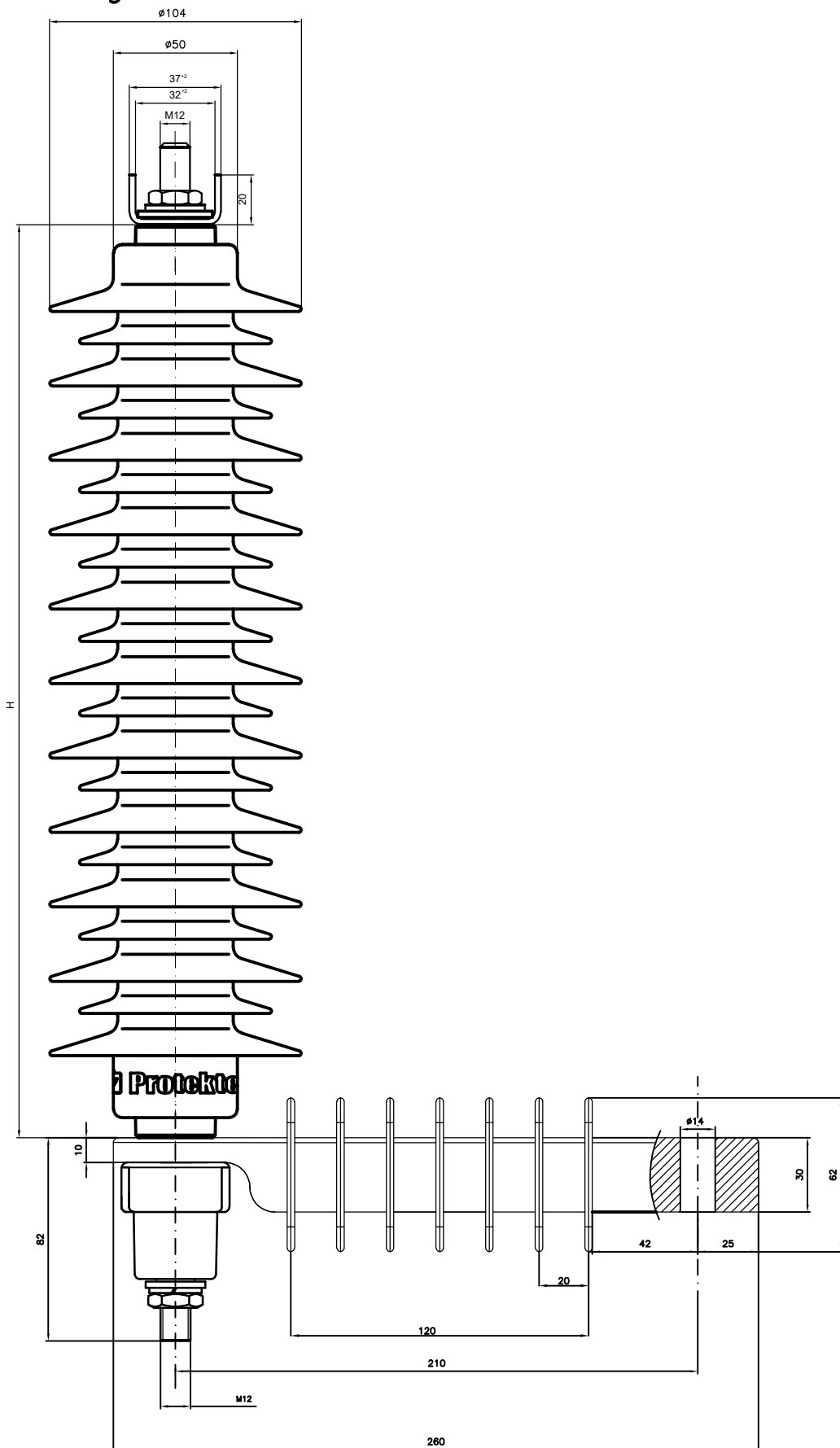
CHARACTERISTIC	
RATED VOLTAGE	44.0 kVrms
MCOV	55.2 kVrms
MASS	3.15 kg
COG ABOVE BASE	-
CREEPAGE DISTANCE	1187 mm
STRIKE DISTANCE	391 mm
LIGHTNING IMP W/S	270 kVpk
SWITCHING IMP WET W/S	-
POWER FREQ WET W/S	130 kVrms
TOV 1s NO PRIOR DUTY	51.83 kVrms
TOV 10s NO PRIOR DUTY	49.24 kVrms
TOV 1s W/PRIOR DUTY	48.8 kVrms
TOV 10s W/PRIOR DUTY	45.76 kVrms

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	570 N
ULTIMATE (max pk)	913 N

RECOMMENDED CLEARANCE (CENTER-CENTER)	
PHASE TO GROUND	433 mm
PHASE TO PHASE	450 mm

1/... μs 10kA	Residual voltage [kV]; wave 30/80 μs						Maximum residual voltage [kV]; wave 8/20 μs					
	250 A	500 A	2.5 kA	5 kA	10 kA	20 kA	Ur	Uc	-	H	-	Ver.
128.1	86.1	89.7	101.0	108.1	118.8	129.4	44	35.2	368	09		
According to specification												
Material							Comments					
b							g					
a							7					
Zm	Nr zm	Wzno od	Naznisko	Data	Zm	Nr zm	Wzno od	Naznisko	Data			
Designed	Daniel Stempin			07.04.2020	Tolerances							
Checked					IT14 ISO 286-1:2010							
Approved					Scale							
					1:1							
PROTEKTEL	PROXAR-IN 44 AC						SN1 2 A08					

Surge Arrester PROXAR IN 48kV 118009



CHARACTERISTIC	
RATED VOLTAGE	48.0 kVrms
MCOV	38.4 kVrms
MASS	3.18 kg
COG ABOVE BASE	-
CREEPAGE DISTANCE	1187 mm
STRIKE DISTANCE	391 mm
LIGHTNING IMP W/S	270 kVpk
SWITCHING IMP WET W/S	-
POWER FREQ WET W/S	130 kVrms
TOV 1s NO PRIOR DUTY	56.54 kVrms
TOV 10s NO PRIOR DUTY	53.71 kVrms
TOV 1s W/PRIOR DUTY	53.23 kVrms
TOV 10s W/PRIOR DUTY	52.99 kVrms

CANTILEVER FORCE	
MAXIMUM CONTINUOUS	570 N
ULTIMATE (max pk)	913 N

RECOMMENDED CLEARANCE (CENTER-CENTER)	
PHASE TO GROUND	433 mm
PHASE TO PHASE	450 mm

1/... μs 10kA kV	Residual voltage [kV]; wave 30/60 μs		Maximum residual voltage [kV]; wave 8/20 μs						
	250 A	500 A	2.5 kA	5 kA	10 kA	20 kA			
139.73	93.97	97.81	110.2	117.9	129.6	141.2			
According to specification			48	38.4	368	09			
Materials		Comments		Ur	Uc	-	H	-	Ver.
b									
a									
Zm.	Nr zm.	Wzno od	Nazwisko	Data	Zm.	Nr zm.	Wzno od	Nazwisko	Data
Designed	Daniel Stempin	04.12.2019	Tolerances IT14 ISO 286-1:2010						
Checked			Scale						
Approved			1:1						
PROTEKTEL		Surge Arrester PROXAR-IN 48 AC				SN1 2 A08			