

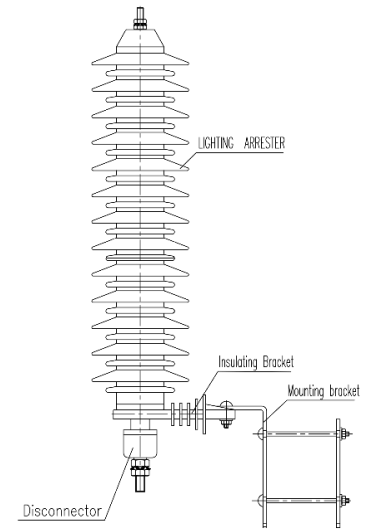
METAL-OXIDE SURGE ARRESTERS WITHOUT GAPS FOR A.C. SYSTEMS

YH10W Series medium voltage surge arresters

YH10W Series surge arrester tested to **IEC 60099-4: 2014 (Ed. 3.0)** standard

MAIN FEATURES

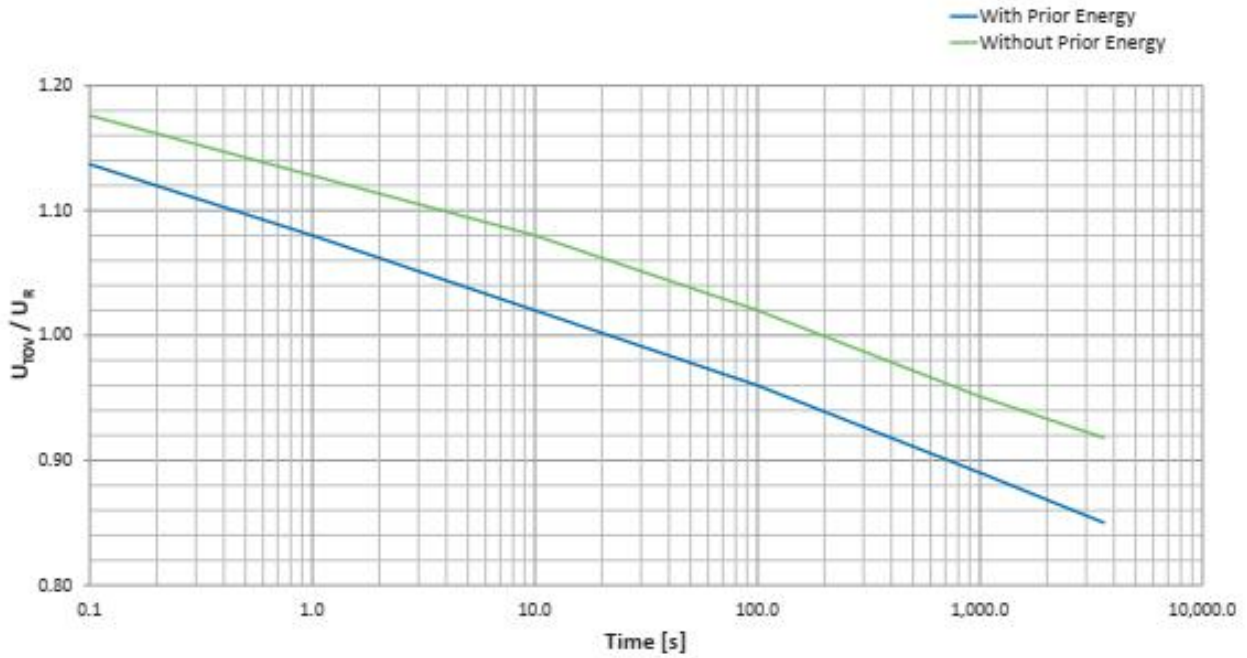
Product line name	YH10W
Rated Voltage range (Ur)	12 - 48kV
Housing	Silicone Rubber
Nominal discharge current - In	10 kA (8/20 μs)
Energy Classification according to IEC 60099-4 (Ed. 3.0)	DH (Distribution High)
High current impulse	100 kA (4/10 μs)
Energy absorption capability	
<i>Repetitive charge transfer rating Qrs</i>	<i>0.4 C</i>
<i>Thermal charge transfer rating Qth</i>	<i>1.1 C</i>
High current short circuit	20 kA
Partial discharge	< 10 pC



TYPICAL TECHNICAL PARAMETERS

Type	Rated Voltage (kV)	Continuous Operating Voltage MCOV (Uc)	Residual Voltage (kV)			Insulation housing withstand voltage (kV)		Creepage distance (mm)
			Lightning (8/20μs)		Switching (30/60μs)	Lightning impulse (1,2/50μs)	Power frequency (50Hz/1 min)	
			5kA	10kA	500A			
SA-12/10	12	10.2	32	38	28	95	28	≥360
SA-15/10	15	12.7	40	47	35	110	35	≥360
SA-18/10	18	15.3	53	58	48	125	50	≥600
SA-21/10	21	17	55	63	52	125	50	≥700
SA-24/10	24	19.5	68	75	65	125	50	≥750
SA-27/10	27	22	72	81	68	150	55	≥810
SA-30/10	30	24.4	82	90	78	170	70	≥1000
SA-33/10	33	26.7	85	99	82	170	70	≥1000
SA-36/10	36	29	95	110	90	170	70	≥1100
SA-42/10	42	34	115	130	105	180	75	≥1250
SA-48/10	48	38.4	128.3	138.3	101.8	180	75	≥1250

YH10W Series Medium Voltage Surge Arrester Temporary Overvoltage (TOV) curve with and without prior energy as per IEC60099-4, Ed. 3.0 surge arrester standard.



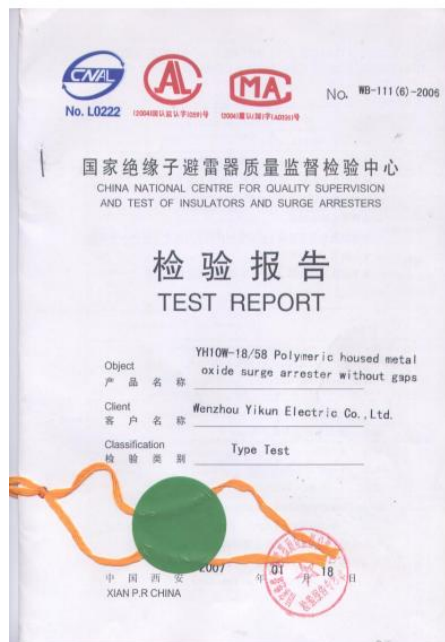
U_{TOV} = TOV withstand voltage; U_R = Surge arrester Rated voltage

TYPE TEST REPORT CERTIFICATE

Medium voltage surge arrester tested to IEC 60099-4, IEC 60099-4: 2014 (Ed. 3.0), C62.11-2012 IEEE Standard standard, certified by KEMA and ISO 17025 certified laboratories.



21kV 10kA SA



18kV 10kA SA



36kV 10kA SA



INSPECTION REPORT

Report number 70550006-TDT 05-52040A
 Client Wenzhou Yikun Electric Co., Ltd.
 6F, West-South Side Chezhan Avenue
 Wenzhou, China
 Concerning type testing
 Date March 1 to May 26, 2005
 Place Xi'an, China
 Object metal-oxide surge arrester without gaps
 Type YH10W-12/38
 Manufacturer Wenzhou Yikun Electric Co., Ltd.
 Wenzhou, China

REQUIREMENTS
 As per IEC 60099-4 Edition 1.2 (2001-12).

INSPECTION PROGRAMME
 The programme was specified by KEMA Nederland B.V.
 For the programme we refer to page 3.

SUMMARY AND CONCLUSION
 The results obtained relate only to the work ordered and to the material inspected.
 This report is a supplementary report to report 70240117-TDT 03-34412A of 14 May 2003.
 For the 12 kV arrestors not all the test had to be repeated.
 The arrester withstood all type tests as per inspection program of page 3.

Author: G.J. Veldscholten

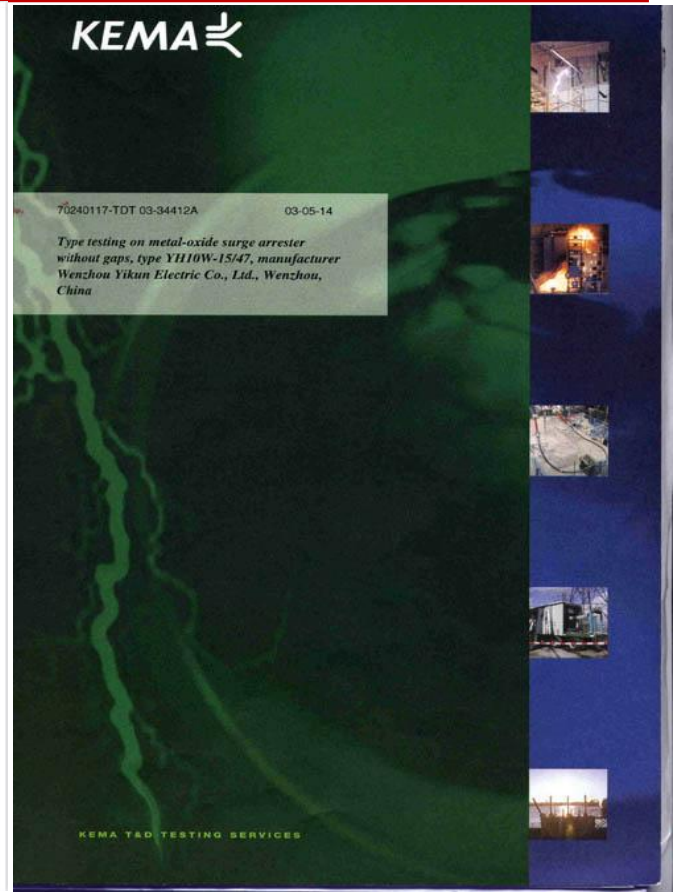
KEMA Nederland B.V.

 P.O. Box
 KEMA T&D Testing Services
 Managing Director

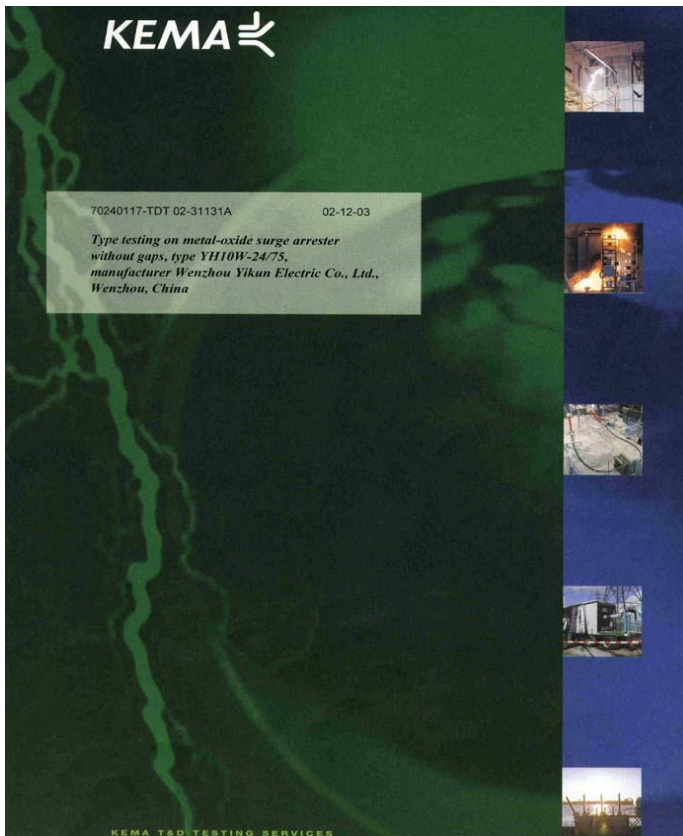
This B-report consists of:
 13 pages
 3 annexes (47 pages)

Amhem, 27 July 2005

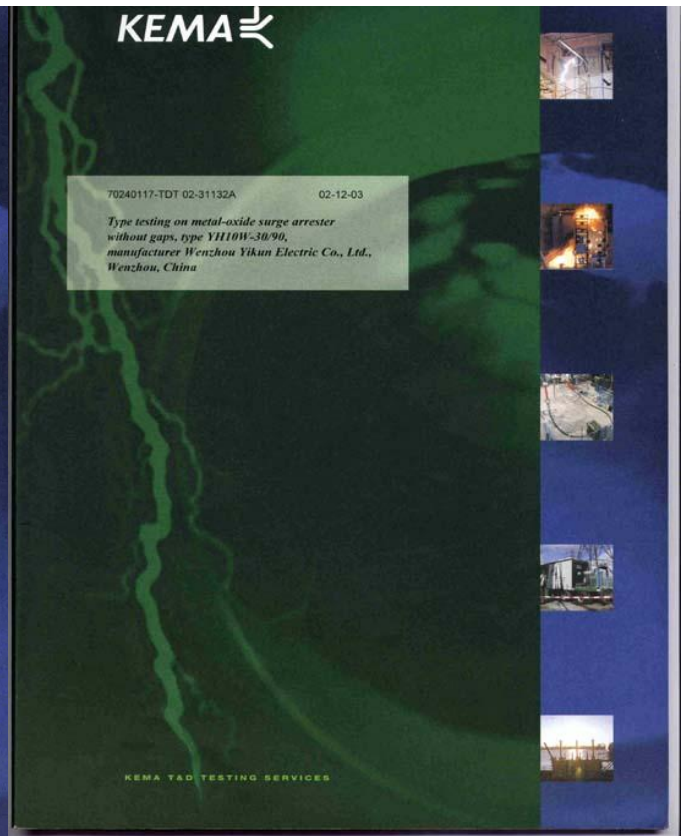
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15kV 10kA KEMA Report



24kV 10kA KEMA Report



30kV 10kA KEMA Report