

WINDING TYPE (권선형) CURRENT TRANSFORMER

3.6~12kV (5~1500A / 40In~40kA)

W12CWB



EPOXY RESIN CASTING CURRENT TRANSFORMERS for highest voltage of equipment up to 12kV

W12CWB 변류기는 최고 회로전압 12kV급 절연성능으로 설계되어진 옥내용 에폭시몰드 제품으로 그 이하 전압(3.6, 7.2kV) 제품에 대해서는 동일한 치수(DIMENSION)를 가진다. 본 제품은 소형경량의 Compact한 변류기 구조를 가짐으로서, 설치공간이 협소한 표준배전반에 매우 적합한 제품이다. 또한 1core, 2core 단일 비 또는 다중 비 형태의 제품으로 설계 및 제작이 가능합니다.

The W12CWB current transformer is an indoor epoxy resin cast product designed in a maximum circuit voltage 12kV-class insulation performance, and the less voltage(3.6, 7.2kV) product has the same dimensions. This product has a miniature light-weight compact structure to be very suitable for standard switchboards installed in a narrow space. In addition, this can be designed and fabricated in a single or multiple ratio type such as 1 core and 2 cores.

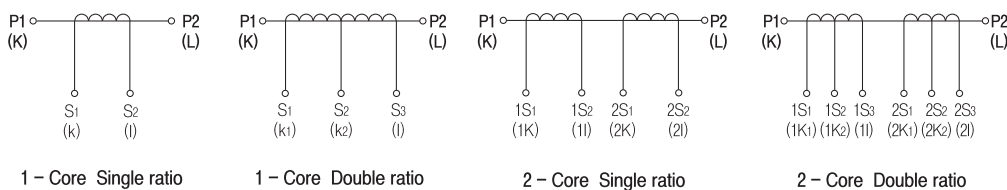
● Feature

규격 Standard	IEC - KS C - JEC
설계 및 적용 Design and Application	계기 및 보호용 Designed for measuring and/or protection
사용조건 Service condition	옥내 Valid for indoor service
작업공정 Working process	- 자동진공주형방식 Automatic vacuum casting method - APG방식 Automatic Pressure Gelation method

● Electrical characteristic

ITEM	MODEL		
	W12CWB		
Highest voltage for equipment (Um)	3.6kV	7.2kV	12kV
Rated power-frequency withstand voltage (60sec)	10kV	20kV	28kV
Rated lighting impulse withstand voltage (1.2/50μs)/full wave	40kV	60kV	75kV
Rated frequency	50 / 60Hz		
Rated primary current(Ipr)	5 to 1500A		
Rated secondary current(Isr)	5 or 1A		
Rated continuous thermal current	120%		
Rated short-time thermal current Ith (1sec)	40In~40kA		
Rated dynamic current Idyn (2.5×Ith)	100kA		
Insulation class (according to 60085)	E		
Standard	According to customer requirements		
Weight (approx.)	20kg		

● Connection Diagram



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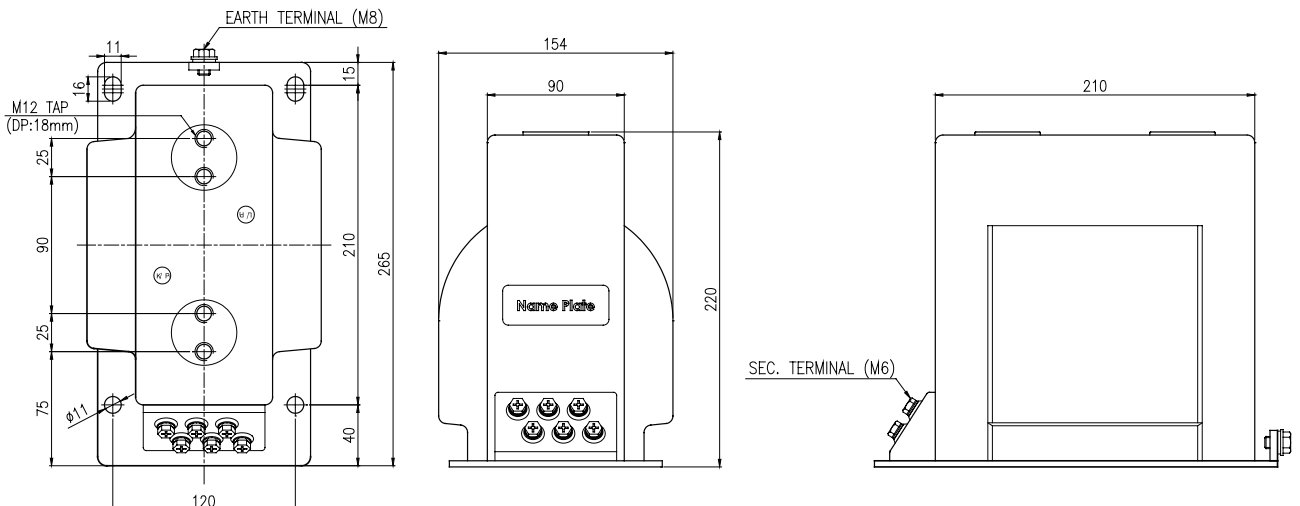
고압계기용변성기

3.6~12kV (5~1500A / 40In~40kA)

● Specification

ITEM	Rated short time current	Current Ratio		IEC 61869-2			KSC 1706, JEC 1201			IEEE C57.13	
		Single	Double	Class	Burden	Over Current Factor	Class	Burden	Over Current Factor	Class	Burden
Metering	300In	5/5~200/5A	10-5/5~200-100/5A	1.0	15VA	FS5 FS10	1.0	15VA	-	0.6,1.2	12.5VA (B-0.5)
	8kA	10/5~1500/5A	20-10/5~1500-750/5A								
	12.5kA	15/5~1500/5A	30-15/5~1500-750/5A								
	25kA	25/5~1500/5A	50-25/5~1500-750/5A								
	31.5kA	40/5~1500/5A	80-40/5~1500-750/5A								
	40kA	75/5~1500/5A	150-75/5~1500-750/5A	0.5 1.0	15VA 30VA	FS5 FS10	0.5 1.0	15VA 40VA	-	1.2	22.5VA (B-0.9)
	300In	5/5~200/5A	10-5/5~200-100/5A								
	8kA	15/5~1500/5A	30-15/5~1500-750/5A								
	12.5kA	20/5~1500/5A	40-20/5~1500-750/5A								
	25kA	40/5~1500/5A	80-40/5~1500-750/5A								
Protection	8kA	15/5~1500/5A	30-15/5~1500-750/5A	5P 10P	15VA	10 10	1P	15VA	n>10 n>20	T50	12.5VA
	12.5kA	20/5~1500/5A	40-20/5~1500-750/5A								
	25kA	50/5~1500/5A	100-50/5~1500-750/5A								
	31.5kA	60/5~1500/5A	120-60/5~1500-750/5A								
	40kA	100/5~1500/5A	200-100/5~1500-750/5A								
	8kA	40/5~1500/5A	80-40/5~1500-750/5A	5P 10P	15VA 30VA	20 10	1P	15VA 40VA	n>20 n>10	T100	25VA
	12.5kA	50/5~1500/5A	100-50/5~1500-750/5A								
	25kA	120/5~1500/5A	240-120/5~1500-750/5A								
	31.5kA	150/5~1500/5A	300-150/5~1500-750/5A								
	40kA	250/5~1500/5A	500-250/5~1500-750/5A								
2core	8kA	100/5~1500/5A	200-100/5~1500-750/5A	5P 10P	30VA	20 20/10	1P	40VA	n>20	T200	50VA
	12.5kA	120/5~1500/5A	240-120/5~1500-750/5A								
	25kA	250/5~1500/5A	500-250/5~1500-750/5A								
	31.5kA	400/5~1500/5A	800-400/5~1500-750/5A								
	40kA	500/5~1500/5A	1000-500/5~1500-750/5A								
	40In	5~1500/5-5A	10-5/5-5~1500-750/5-5A	1.0/5P	15/15VA	10	1.0/1P	15/15VA	n>10	-	-
	75In	5~800/5-5A	10-5/5-5~800-400/5-5A								
	8kA	30~1500/5-5A	60-30/5-5~1500-750/5-5A								
	12.5kA	40~1500/5-5A	80-40/5-5~1500-750/5-5A								
	25kA	100~1500/5-5A	200-100/5-5~1500-750/5-5A								
2core	31.5kA	200~1500/5-5A	400-200/5-5~1500-750/5-5A	1.0/5P	15/15VA 30/30VA	20 10	1.0/1P	15/15VA 30/30VA	n>20 n>10	-	-
	40kA	200~1500/5-5A	400-200/5-5~1500-750/5-5A								
	40In	5~1500/5-5A	10-5/5-5~1500-750/5-5A								
	8kA	60~1500/5-5A	120-60/5-5~1500-750/5-5A								
	12.5kA	100~1500/5-5A	200-100/5-5~1500-750/5-5A								
	25kA	200~1500/5-5A	400-200/5-5~1500-750/5-5A								
	31.5kA	500~1500/5-5A	1000-500/5-5~1500-750/5-5A								
	40kA	500~1500/5-5A	1000-500/5-5~1500-750/5-5A								

● Dimension



고압변류기
고압변압기
저압변류기
저압변압기
보통계전기
누전경보기
지락계전기
영상변류기
지시전계기
셔트