

WINDING TYPE (권선형) CURRENT TRANSFORMER

12~24kV (5~3200A / 40In~40kA)

W24CWF



EPOXY RESIN CASTING CURRENT TRANSFORMERS for highest voltage of equipment up to 24kV

W24CWF 변류기는 최고 회로전압 24kV급 절연성능으로 설계되어진 옥내용 에폭시몰드 제품으로 그 이하 전압(12,17.5kV) 제품에 대해서는 동일한 치수(DIMENSION)를 가진다. 본 제품은 소형경량의 Compact한 변류기 구조를 가짐으로서, 설치공간이 협소한 표준배전반에 매우 적합한 제품이다. 또한 1core, 2core, 3core 단일 비 또는 다중 비 형태의 제품으로 설계 및 제작이 가능하다.

The W24CWF current transformer is an indoor epoxy resin cast product designed in a maximum circuit voltage 24kV-class insulation performance, and the less voltage(12, 17.5kV) 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, 2 cores and 3cores.

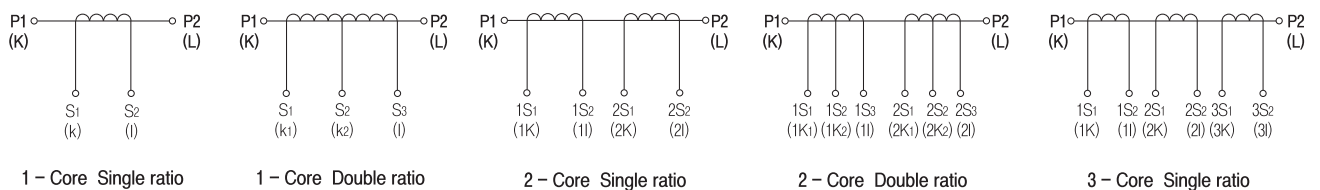
● Feature

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		
	W24CWF		
Highest voltage for equipment (Um)	12kV	17.5kV	24kV
Rated power-frequency withstand voltage (60sec)	28kV	38kV	50kV
Rated lighting impulse withstand voltage (1.2/50μs)/full wave	75kV	95kV	125kV
Rated frequency	50 / 60Hz		
Rated primary current(Ipr)	5 to 3200A		
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.)	50kg		

● Connection Diagram



WINDING TYPE (권선형) CURRENT TRANSFORMER



고압계기용변성기

12~24kV (5~3200A / 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	8kA	5/5A~3200/5A	10~5/5A~3200~1600/5A	0.5 1.0	15VA 40VA	FS5 FS10	0.5	15VA 40VA	-	-	-
	12.5kA	5/5A~3200/5A	10~5/5A~3200~1600/5A								
	25kA	10/5A~3200/5A	20~10/5A~3200~1600/5A								
	31.5kA	15/5A~3200/5A	30~15/5A~3200~1600/5A								
	40kA	20/5A~3200/5A	40~20/5A~3200~1600/5A								
Protection	8kA	5/5A~3200/5A	10~5/5A~3200~1600/5A	5P 10P	15VA	10 10	1P	15VA	n>10	T50	12.5VA
	12.5kA	5/5A~3200/5A	10~5/5A~3200~1600/5A								
	25kA	10/5A~3200/5A	10~5/5A~3200~1600/5A								
	31.5kA	15/5A~3200/5A	30~15/5A~3200~1600/5A								
	40kA	20/5A~3200/5A	30~15/5A~3200~1600/5A								
	8kA	5/5A~3200/5A	10~5/5A~3200~1600/5A	5P 10P	30VA	20 20	1P	15VA 40VA	n>20 n>10	T100	25VA
	12.5kA	10/5A~3200/5A	20~10/5A~3200~1600/5A								
	25kA	15/5A~3200/5A	30~15/5A~3200~1600/5A								
	31.5kA	25/5A~3200/5A	50~25/5A~3200~1600/5A								
	40kA	40/5A~3200/5A	80~40/5A~3200~1600/5A								
	8kA	15/5A~3200/5A	30~15/5A~3200~1600/5A	5P 10P	30VA	20 20	1P	40VA	n>20	T200	50VA
	12.5kA	20/5A~3200/5A	40~20/5A~3200~1600/5A								
	25kA	30/5A~3200/5A	60~30/5A~3200~1600/5A								
31.5kA	50/5A~3200/5A	100~50/5A~3200~1600/5A									
40kA	75/5A~3200/5A	150~75/5A~3200~1600/5A									
2Core	300In	5~200A/5~5A	10~5/5~5A~200~100/5~5A	1.0/5P	15/15VA	10	1.0/1P	15/15	n>10	-	-
	8kA	10~3200A/5~5A	20~10/5~5A~3200~1600/5~5A								
	12.5kA	10~3200A/5~5A	20~10/5~5A~3200~1600/5~5A								
	25kA	20~3200A/5~5A	40~20/5~5A~3200~1600/5~5A								
	31.5kA	25~3200A/5~5A	50~25/5~5A~3200~1600/5~5A								
	40kA	40~3200A/5~5A	80~40/5~5A~3200~1600/5~5A								
	300In	5~200A/5~5A	10~5/5~5A~200~100/5~5	1.0/5P	15/15VA 30/30VA	20 10	1.0/1P	15/15 40/40	n>20 n>10	-	-
	8kA	10~3200A/5~5A	20~10/5~5A~3200~1600/5~5A								
	12.5kA	10~3200A/5~5A	20~10/5~5A~3200~1600/5~5A								
	25kA	20~3200A/5~5A	40~20/5~5A~3200~1600/5~5A								
	31.5kA	25~3200A/5~5A	50~25/5~5A~3200~1600/5~5A								
	40kA	40~3200A/5~5A	80~40/5~5A~3200~1600/5~5A								
	300In	5~200A/5~5A	10~5/5~5A~200~100/5~5	1.0/5P	30/30VA	n>20	1.0/1P	40/40	n>20	-	-
	8kA	20~3200A/5~5A	40~20/5~5A~3200~1600/5~5A								
	12.5kA	25~3200A/5~5A	50~25/5~5A~3200~1600/5~5A								
	25kA	50~3200A/5~5A	100~50/5~5A~3200~1600/5~5A								
	31.5kA	75~3200A/5~5A	150~75/5~5A~3200~1600/5~5A								
40kA	100~3200A/5~5A	200~100/5~5A~3200~1600/5~5A									
3Core	25kA	120/5~5~5A ~ 3200/5~5~5A	Metering 1st core	0.5 1.0	15VA 30VA	FS 5 FS 10	0.5 1.0	15VA 25VA	-	0.6, 1.2 1.2	12.5VA(B-0.5) 22.5VA(B-0.9)
	31.5kA	150/5~5~5A ~ 3200/5~5~5A	Protection 2nd core	5P 5P	15VA 30VA	20 10	1P 1P	15VA 25VA	n>20 n>10	T100	25VA
	40kA	150/5~5~5A ~ 3200/5~5~5A	Protection1 3rd core	5P 5P	15VA 30VA	20 10	1P 1P	15VA 25VA	n>20 n>10	T100	25VA

HV / C T 고압변류기
HV / VT - MO F 고압변압기
LV / C T 저압변류기
LV / VT 저압변압기
RE L A Y 보형계전기
E L D 누전경보기
G F R 지락계전기
Z C T 영상변류기
M E T E R 지시전계기
S H U N T 셉트

● Dimension

