

ELD, ELR, GFR TYPE ZERO PHASE SEQUENCE CURRENT TRANSFORMER

WYES®
영상변류기

Zero Phase Sequence Current Transformer (ZCT)



● 누전경보기, 지락검출계전기용(200mA/100mV)

Model | WYZR-030~200 (Round type) WYZS-160~260 / 160A~260A (Square type)

* WY: Manufacture mark Z: Zero current transformer(ZCT) R: Round type S: Square type 030: Inside dia(φ)



● Features

- 투자율이 좋은 규소강판을 사용하여 출력특성을 정밀화 하였습니다.
- 부하의 종류 및 용량에 따라 다양한 구조로 되어있습니다
- ABS 난연성 수지로 자기 소화성이 있는 재질로 되어있습니다.
- ABS 및 PC 난연성 수지로 되어 있습니다.
- Standardized product by high precision using silicon steel with a good permeability
- Various structures by types of load and capacity
- Built-in materials with ABS flame proof resin for self-extinguish stability
- Built-in light weighted structure without using filler inside
- Terminal cover for safety

● Specifications

ITEM	Zero Phase Sequence Current Transformer[ZCT]							
Type	WYZR-030~065	WYZR-080~100	WYZR-120~200	WYZS-160~260	WYZS-160A ~ 260A	WYZS-054A~104A	WYZS-223~224	WYZS-102~104
Certificate No.	누변 04-2-1	누변 04-3-1	누변 04-4-1	누변 04-5-2	누변 04-5-3			
Rated	1'st 200mA , 2'nd 100mV (connected by 2kΩ)							
ZCT Output conditio	Condition: 200mA / 100mV (connected by 2kΩ) 500mA / 100mV(connected by300Ω) 1000mA / 100mV (connected by120Ω)							
Class	less than 75 ~ 125% (1'st current)							
Operating temperature	-10 ~ +60 °C							
Insulation resistance	2'th - Earth DC500V Megger 100MΩ more							
Dielectric withstand	2'th - Earth AC1, 500V / 1min							
Impulse withstand voltage	2'th - Earth 6kV (1.2 / 50μs) +, - 1times							

● Rating

ITEM	Model		Rated Current(A)	Cable(EV) mm ²			Weight (kg)
	Type	Insidedia		1P2W	1P3W 3P3W	3P4W	
 환형 Cable through type	WYZR-030	Ø30	100	60	14	8	0.2
	WYZR-050	Ø50	250	150	80	38	0.3
	WYZR-065	Ø65	400	325	150	100	0.4
	WYZR-080	Ø80	600	400	250	200	0.5
	WYZR-100	Ø100	800	500	325	250	0.9
	WYZR-120	Ø120	1000	950	850	725	1.0
	WYZR-150	Ø150	1200	1200	1000	850	1.7
	WYZR-200	Ø200	2000	1500	1200	950	2.3
 각형 Busbar through type	WYZS-160	166 x 30mm	400	6t x 25mm	6t x 25mm	6t x 25mm	0.8
	WYZS-210	210 x 30mm	500	6t x 25mm	6t x 25mm	6t x 25mm	1.6
	WYZS-260	260 x 30mm	630	8t x 30mm	8t x 30mm	8t x 30mm	1.9
	WYZS-160A	166 x 30mm	630	6t x 25mm	6t x 25mm	6t x 25mm	0.8
	WYZS-210A	210 x 30mm	1600	6t x 25mm	6t x 25mm	6t x 25mm	1.6
	WYZS-260A	260 x 30mm	1600	8t x 30mm	8t x 30mm	8t x 30mm	1.9
 각형 Busbar type	WYZS-102(1P2W)	MCCB-BUS Size (30mm)	125	3t x 15mm			0.2
	WYZS-103(3P3W)	MCCB-BUS Size (30mm)	125	3t x 15mm	3t x 15mm		0.2
	WYZS-104(3P4W)	MCCB-BUS Size (30mm)	125	3t x 15mm	3t x 15mm	3t x 15mm	0.4
	WYZS-054A(3P4W)	MCCB-BUS Size (25mm)	50	3t x 15mm	3t x 15mm	3t x 15mm	0.4
	WYZS-104A(3P4W)	MCCB-BUS Size (25mm)	100	3t x 15mm	3t x 15mm	3t x 15mm	0.4
	WYZS-223(3P3W)	MCCB-BUS Size (35mm)	250	5t x 20mm	5t x 20mm		0.5
	WYZS-224(3P4W)	MCCB-BUS Size (35mm)	250	5t x 20mm	5t x 20mm	5t x 20mm	0.6

트랜스포머
REACTOR
리액터
무전압릴레이
SSR
전력조정기
TPR
스위칭파워
SMP
노이즈필터
N/F
하모닉필터
H/F
서지보호기
SPD
보호계전기
RELAY
누전경보기
ELD=GFR
영상변류기
ZCT
판넬메타
METER
계기용변성기
CT=VT
선트랜스
SHUNT=FA

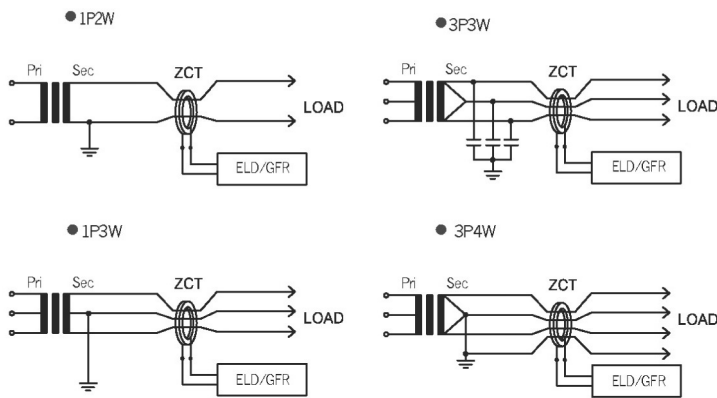
ZERO PHASE SEQUENCE CURRENT TRANSFORMER

Dimension

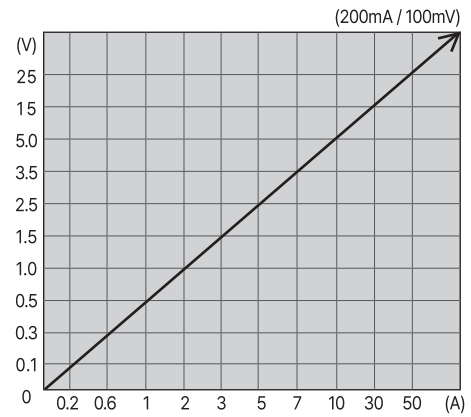
환형, 각형



External right connection diagram

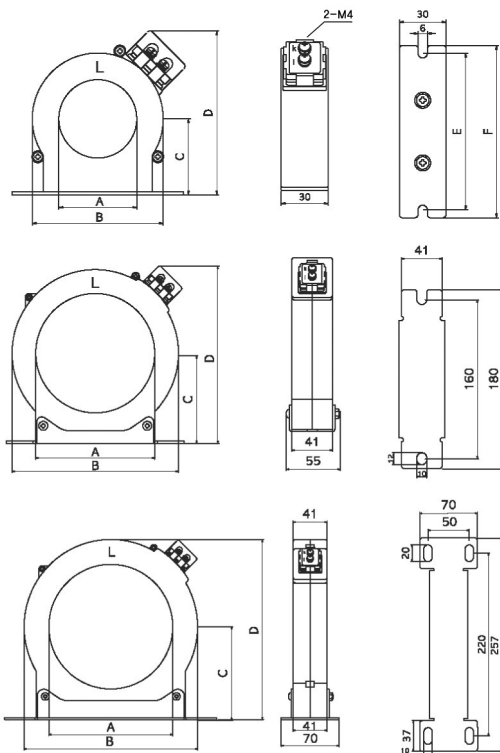


The output curve of the feature in ZCT



• Condition : the output voltage measured in increased current by attaching the ZCT impedance (2kΩ) to secondary ZCT

Dimension (Round type)

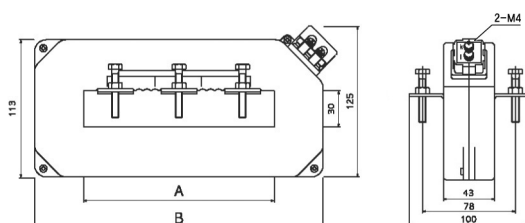


TYPE	A	B	C	D	E	F
WYZR-030	30	59	40	75	80	90
WYZR-050	50	84	48	105	100	110
WYZR-065	65	101	57	120	100	110
WYZR-080	80	120	66	136	120	130

TYPE	A	B	C	D
WYZR-100	100	140	77	155
WYZR-120	120	168	91	179

TYPE	A	B	C	D
WYZR-150	150	210	122	217
WYZR-200	200	270	142	277

Dimension (Square type)

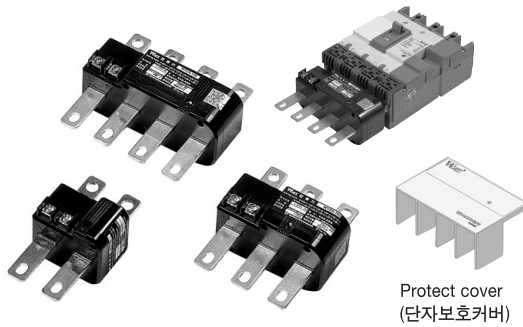


TYPE	A	B
WYZR-160	160	242
WYZR-210	210	292
WYZR-260	260	342

ZERO PHASE SEQUENCE CURRENT TRANSFORMER

Dimension

Bus-bar일체형  

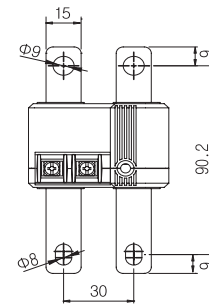
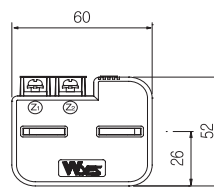
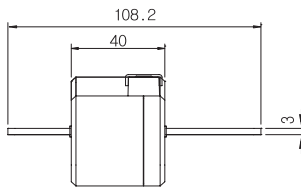


● Features

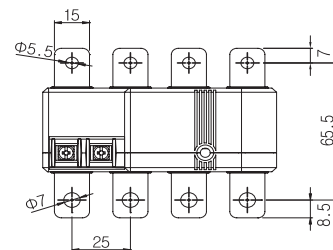
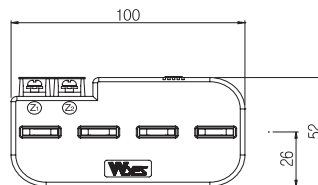
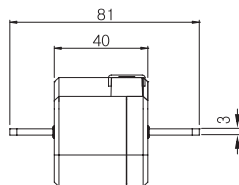
- MCCB 차단기에 직접 탈부착하여 사용할 수 있는 구조
- 1P2W, 3P3W 및 3P4W MCCB에 적용 가능
- 취부가 간편하여 작업 시간 단축
- PC 재질의 구조이며 자기 소화성이 있는 난연 재질임
 - 단자보호커버 부착으로 안전성 확보
- The structure can be used connection directly at the circuit breaker
- It is possible to apply 3P3W and 3P4W MCCB.
- The reduction of working hours because it is installed convenient.
- It is the flame proof material that has the structure of PC material and self-extinguishing.
- The formal approval products of Korea Institute of Fire Industry & Technology

● Dimension (Square type)

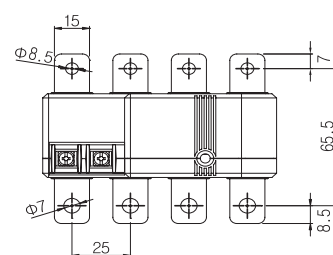
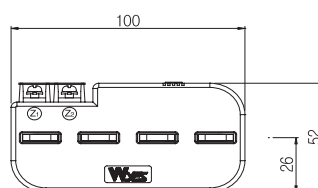
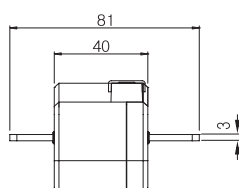
WYZS-102(30mm)



WYZS-054A



WYZS-104A

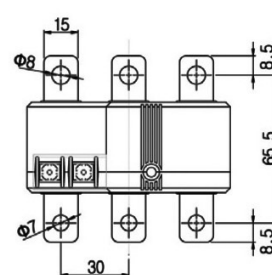
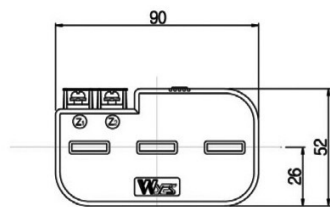
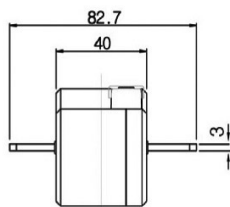


ZERO PHASE CURRENT TRANSFORMER

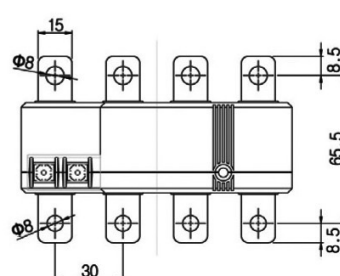
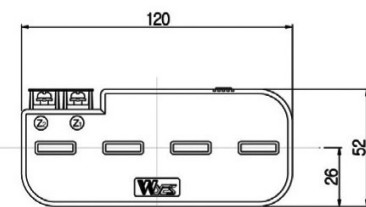
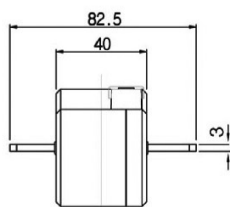
Dimension

Bus-bar일체형  

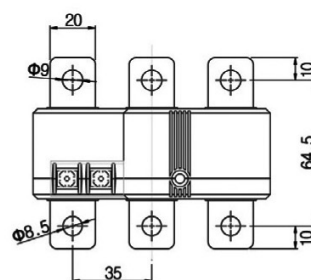
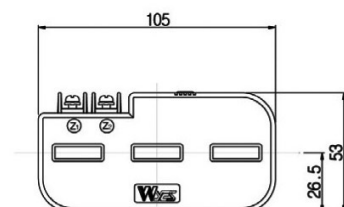
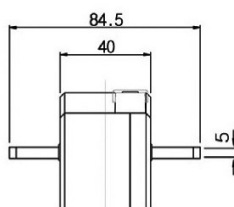
WYZS-103



WYZS-104



WYZS-223



WYZS-224

