

DZ30L(DPNL) Earth Leakage Circuit Breaker

APPLICATION

DPNL earth leakage circuit breaker is used for the protection, against electrical leakage in the circuit of 50Hz or 60Hz, rated voltage single-phase 240V, three-phase 415V, rated current up to 60A. When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value, the ELCB can cut off the power within the time of 0.1s automatically protecting the personal safety and preventing the equipment from the fault resulted from the residual current. With this function, the ELCB can protect the circuit against overload and short circuit or can be used for the unfrequent switch over of the circuit under normal conditions. It conforms to IEC 898 & IEC 755.



DZ30L

OVERLOAD TRIP CHARACTERISTIC

Testing current (A)	Rated voltage (A)	Limited time	Pre-engage situation	Start situation	Note
1.13In	All	$t \geq 1h$	non-trip	cold state	The current rise steadily to a fixed value within 5s
1.45In	All	$t < 1h$	trip	heat state	
2.55In	All	$1s < t < 60s$	trip	cold state	Open the supplementary switch, connect the power
5In	All	$t \geq 0.1s$	non-trip	cold state	
10In	All	$t < 0.1s$	trip	cold state	



DZ47L 1P

DZ47L(C45L) Earth Leakage Circuit Breaker

TECHNICAL

Rated voltage (V)	Poles (P)	Rated current (A)	Leakage action current (mA)	Leakage dead current (mA)	Leakage action time (s)
220	1	1~10	30	15	< 0.1
		15~32			
380	2, 3, 4	40~60	100	50	



DZ47L 2P

WIRING DIAGRAM

Single-pole double line	DZ47L(C45L) 1/2
Doble-pole double line	DZ47L(C45L) 2/2
Triple-pole triple line	DZ47L(C45L) 3/3
Triple-pole four line	DZ47L(C45L) 3/4
Four-pole four line	DZ47L(C45L) 4/4



DZ47L 3P

DIMENSION AND MOUNTING

