



VDC-100EV RCCB

General info

Function

Residual current circuit-breaker VDC-100EV Type EV specifically developed for use in charge points and wall-boxes for charging electric vehicles (EV). It is used where an upstream residual current operated protective device is not known or where an AC, A or F type RCD is in use. The VDC-100EV Type EV provides the required protection from dangerous residual currents at every single charging point. For example it also protects an upstream residual current operated protective device from the risk of not tripping for DC residual currents created by the charging equipment.

Application

Industry, medical, EV charger, elevator, etc.

Conform to

IEC/EN61008-1, IEC/EN62955 ; certified by CCC, SEMKO, CE

IEC/EN61008-1: Residual circuit breakers without overcurrent protection for household and similar purposes

IEC/EN62955: Applies to residual direct current detecting devices (RDC-DD) of model 3 EV charging

IEC/EN61008-1, IEC/EN62955.

Detection residual current type

A+ smoothing DC

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Mechanical and electrical life

Types	Values
Rated voltage Un	240V ~ 1P+N, 415V ~ 3P+N
Rated current In	16A, 25A, 32A, 40A, 63A, 100A
Rated residual operated current I _{Δn}	AC 0.03A
Rated residual operated DC current I _{Δn}	DC 6mA
Poles	1P+N, 3P+N
Type of residual current	Type EV (A+ smoothing DC)
Rated limited short circuit current Inc	10000A
Rated limited residual short circuit current I _{Δc}	10000A
Rated making and breaking capacity Im	1000A
Rated residual making and breaking capacity I _{Δm}	1000A
Rated insulation voltage Ui	500V
Rated impulse withstand voltage Uimp	4000V
Electrical life	2000 Times
Mechanical life	3000 Times
Operated ambient temperature °C	-25~+50
Stored ambient temperature °C	-25~+70
Tightening torque	3N.m
Connection capacity	16mm ²
Pollution level	2
Protection level	IP20
Mounting type	II

Overall and mounting sizes(mm)

