

Usage Manual



ISOLATION SWITCH

No.288th. Wei 17 Road, Economic Development
Zone, Yueqing City Zhejiang China.
Tel: 0086-577-62718777 Fax: 0086-577-62774090
Email: sales@etek-china.com

1

Thank you for choosing EK Series Isolation Switch. Please read this manual before installation, operation and maintenance.

STANDARD AND QUALITY CERTIFICATES

IEC/EN60947-3

Technical Data

Mode	EKD1-125,EKD3-125
Rated current In	32,40,50,63,80,100,125A
Poles	1P,2P,3P,4P
Rated voltage Ue	240/415V~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated short-time withstand current Icw	12Ie,1s
Rated making and breaking capacity	3Ie,1.05Ue,cos φ =0.65
Rated short circuit making capacity	20Ie,t=0.1s
Rated impulse withstand voltage (1.5/50) Uimp	4,000V
Dielectric test voltage at ind.Freq. for 1min	2.5kV
Utilization category	AC-22A

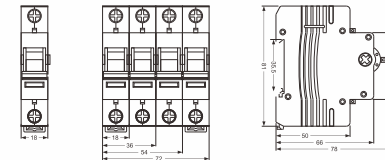
2

Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Terminal connection type	Cable/Pin-type busbar /U-type busbar
Terminal size top/bottom for cable	50mm ² 18-2AWG
Terminal size top/bottom for busbar	50mm ² 18-2AWG
Tightening torque	3.5Nm 30In-lbs
Mounting	On DIN rail EN60715(35mm) by means of fast clip device
Connection	From top and bottom

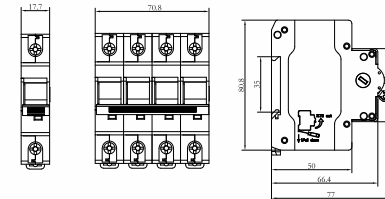
3

Overall Installation Dimension(mm)

EKD1-125

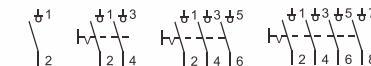


EKD3-125



4

Circuit Diagram



5