

# DC ISOLATION SWITCH

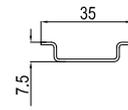
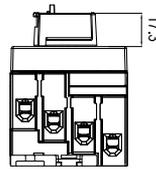
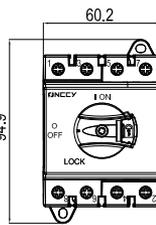
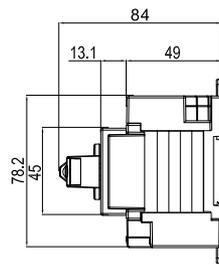
## EDS1/N Series DC Isolator(DC1000V)

### Dimensions

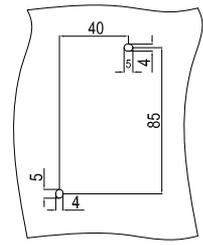
#### Din-rail Mounting



EDS1 DB/N32/...R



Switch bottom guide rail installation size



Screw installation size

# EDS1 Series DC Isolator (DC1000V)

## Technical Data

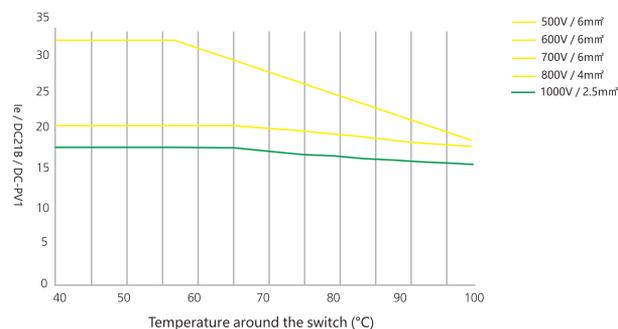
Data according to IEC/EN60947-3, AS60947.3, Utilization category DC-PV1, DC-PV2

300V		600V		800V		1000V		Pole	No. of Strings	Part Number
PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2			
32	32	32	32	32	16	16	9	2	1	EDS1/N32/2
32	32	32	32	32	16	16	9	4	2	EDS1/N32/4
32	32	32	32	32	32	32	32	4	1	EDS1/N32/4S
32	32	32	32	32	32	32	32	4	1	EDS1/N32/4B
32	32	32	32	32	32	32	32	4	1	EDS1/N32/4T

## Data according to AS60947-3

Main Contacts	Voltage	EDS1/N32
Rated thermal current $I_{the}$		32 A
Rated insulation voltage $U_i$		1500 V
Distance of contacts(per pole)		8 mm
Rated operational current $I_e$ (DC-PV2)		
4 layers, only 2layers in series, with two load <u>1</u> / <u>2</u> / ___	300V	32 A
	600V	32 A
	800V	16 A
	1000V	9 A
4 layers, 4 layers in series, with one load <u>1</u> / <u>2</u> / <u>3</u> / <u>4</u> / ___	300V	32 A
	600V	32 A
	800V	32 A
	1000V	32 A

Type	
Number of poles	4-pole
Terminal designation, main circuit	1; 3; 5; 7; 2; 4; 6; 8
Type of terminal, main circuit	Screw terminal
Cable section	4.0-16mm <sup>2</sup>
Type of Conductor	 4-16mm <sup>2</sup> (Rigid: Solid or Stranded)  4-10mm <sup>2</sup> (Flexible)
Number of conductors per terminal	1
Required preparation of the conductor	Yes
Stripping length (mm), main circuit	8mm
Tightening torque (M4), main circuit	1.2~1.8N.m



## Switching Configurations

Type	2-pole	4-pole	4-pole with Input and Output on top	4-pole with Input and Output bottom	4-pole with Input on top Output bottom
-	2	4	4T	4B	4S
Contacts Wiring graph					
Schematic diagram					