

# HELIOS RDX6 Series (RCCB)

## Application

- The RDX6 RCCB is designed to ensure the protection of low-voltage electrical applications up to 80A.
- Rated Voltage 230/400V, AC50/60Hz
- Line Protection against earthleakage, overload and short-circuits.
- Electronic type RCBO
- Rated short-circuit breaking capacity  $I_{cn} = 10\text{kA}$  with indication window
- Sensitivity: 300mA
- Comply With IEC61009 / GB16917.1

Protection of injecting or leaking DC electricity into AC network



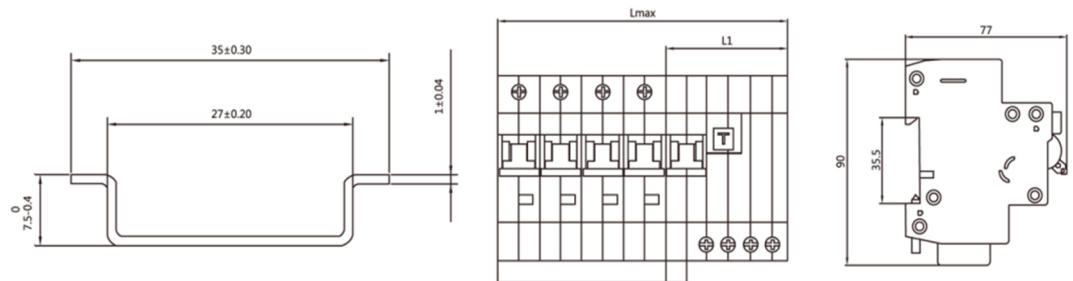
## Mechanical Features and Installation Features

Electrical Life	6000
Mechanical Life	20000
Contact Position Indicator	Yes
Protection degree	IP20
Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$ )	From -5 to +40
Storage temperature ( $^{\circ}\text{C}$ )	From -25 to +70
Terminal size top for cable ( $\text{mm}^2$ )	25
Terminal Connection type	Cable/U-type busbar/Pin-type busbar
Terminal size top for busbar ( $\text{mm}^2$ )	25
Tightening torque ( $\text{N}\cdot\text{m}$ )	2
Mounting	On Din rail EN 60715 (35mm) by means of fast clip device
Connection	From top

# HELIOS RESIDUAL CURRENT CIRCUIT BREAKER

## Specifications

Thermo-magnetic release characteristic	C
Rated Current $I_n$ (A)	32, 40, 63, 80
Rated Voltage $U_e$ (V)	240 - 415
Rated Sensitivity (A)	0.3
Rated Residual Making and breaking capacity (A)	2000
Rated Short-circuit Capacity $I_{cn}$ (A)	10,000
Break time under $I_n$ (s)	$\leq 0.2$
Rated frequency (Hz)	50/60
Rated impulse withstand voltage $U_{imp}$ (V)	4,000
Dielectric Test voltage at ind. Freq for 1 min. (KV)	2
Insulation Voltage (Ui)	600
Pollution degree	2



Width (mm)	2Poles	4Poles C32 C63	4Poles C80
L1	36	60	108
Lmax	54	132	133