



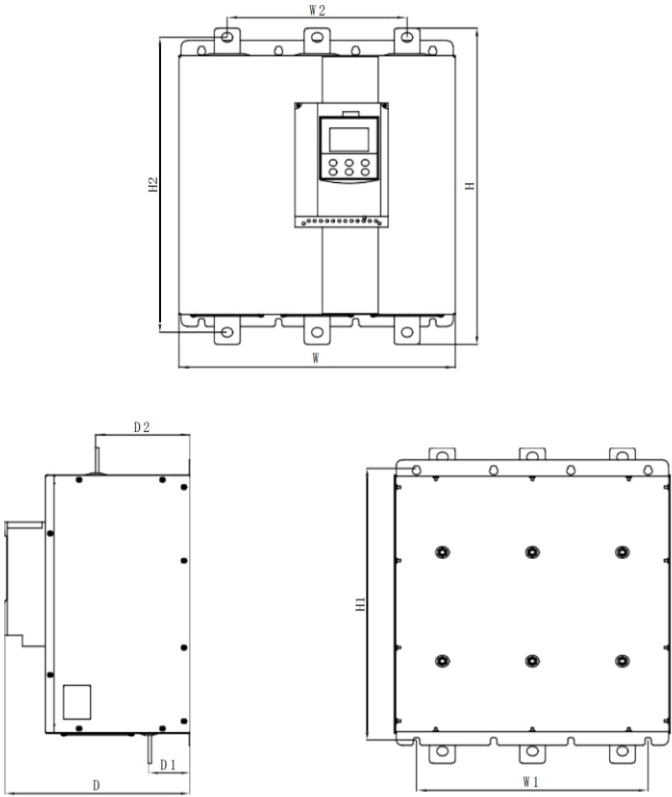
Application

The RDZR8-SZ online soft starter is a highly intelligent, reliable, and user friendly solution designed to simplify setup and offer personalized control. Can be used for frequent start and stop occasion.This design adopts a three in, three-out silicon-controlled full-time online structure, equipped with a high-power air-cooled radiator and a high-speed axial fan internally to ensure stable and reliable operation for extended periods. It does not require an external AC contactor but can only be used with a single motor.

Main technical parameter

Item		Specifications
Input	Rated Voltage	T4 Series: 3 phase 380V,±15%
	Frequency	50/60Hz ±5%
Output	Voltage	T4 Series: 3 phase 0 ~ 380V,±15%
	Overload Capacity	150% rated current for 1 minute;180% rated current for 10s.
Control Performance	Control Mode	Voltage Mode, Current Mode
Protection Function	Multiple protection functions	Including over-current, over-heat, overload, input and output phase loss, starting timeout and other protections, all-round protection of the soft starter to ensure reliable operation.
Protection level	Protection level	Ip20
Installation environment requirements	Working storage environment temperature	Operating temperature: -10~40°C(when the ambient temperature is 40°C~50°C, please derating the rating), no direct sunlight. Storage temperature: -20~60°C.
	Surroundings	Humidity within 90% (no condensation), vibration less than 0.6G; No corrosive, flammable, explosive, water-absorbent dust, and no accumulation of various lint.
	Altitude	0~1000m. The rating shall be derated by 10% for every 1000m increase.
Control Object	Motor	Standard wiring refers to the motor windings being connected in delta or star, with the thyristor connected between the power supply and the motor.. Inner delta connection refers to the motor windings being in a triangle—the thyristors are connected in series with the windings. The main advantage of the inner triangle control is that the soft starter can be selected at a reduced rating. The current flowing through the soft starter and the motor in the inner triangle connection is 1/1.732 of the line current. The above table uses the margin to select the soft starter, which is selected according to the line current/1.5Ie. During the selection process, the user can further reduce the rating of the soft starter according to the actual situation.

The Dimension and Installation Hole Size



Specifications	Outline Dimension (m m)			mounting dimension (m m)		Main circuit bar spacing(mm)				Hole (mm) Φ
	H	W	D	H1	W1	H2	W2	D1	D2	
RDZR8-SZ11-T4	294	144	195	275	122	276	87	/	/	Φ6
RDZR8-SZ15-T4										
RDZR8-SZ18.5-T4										
RDZR8-SZ22-T4										
RDZR8-SZ30-T4										
RDZR8-SZ37-T4										
RDZR8-SZ45-T4										
RDZR8-SZ55-T4										
RDZR8-SZ75-T4										
RDZR8-SZ90-T4	345	210	256	330	172	360	121	163	132	Φ8
RDZR8-SZ110-T4										

RDZR8-SZ Online Integrated Soft Starter

PEOPLE

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	H	W	D	H1	W1	H2	W2	D1	D2		
RDZR8-SZ132-T4	365	270	217	350	223	380	150	164	155	Φ10	
RDZR8-SZ160-T4											
RDZR8-SZ185-T4											
RDZR8-SZ200-T4											
RDZR8-SZ220-T4	542	460	263	516	371	565	272	38	131		
RDZR8-SZ250-T4											
RDZR8-SZ280-T4											
RDZR8-SZ315-T4											
RDZR8-SZ350-T4											
RDZR8-SZ400-T4											
RDZR8-SZ450-T4	692	616	332	669	549	746	401	49	164		Φ12
RDZR8-SZ500-T4											
RDZR8-SZ630-T4											

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