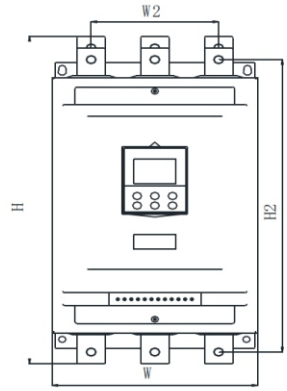
Application

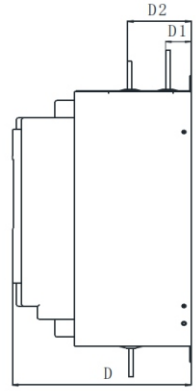
The RDZR8-SP intelligent External bypass soft starter is a new intelligent starting device with international advanced level, which is based on microprocessing as the core, combined with technologies such as controllable silicon power drive, software and hardware protection, menu LED display, keyboard operation, torque control, and fuzzy PID closed-loop algorithm. It integrates motor soft start, soft stop, light load energy-saving, and multiple functions.

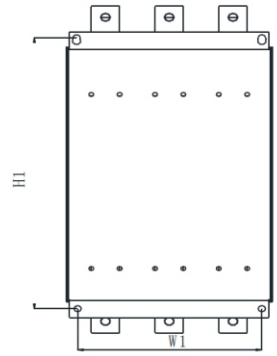
Main technical parameter

Item		Specifications
Input	Rated Voltage	T4 Series: 3 phase 380V,±15%
	Frequency	50/60Hz ±5%
Output	Voltage	3 phase 415V±15%
	Overload Capacity	50/60Hz ±5%
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-SP11-T4	270	146	157	249	133	/	/	/	/	Φ6
RDZR8-SP15-T4										
RDZR8-SP18.5-T4										
RDZR8-SP22-T4										
RDZR8-SP30-T4										
RDZR8-SP37-T4										
RDZR8-SP45-T4	275	148	160	246	134	255	78	460	80	
RDZR8-SP55-T4										
RDZR8-SP75-T4										

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-SP80-T4	402	261	194	379	197	490	160	35	87	Φ8
RDZR8-SP110-T4										
RDZR8-SP132-T4										
RDZR8-SP160-T4										
RDZR8-SP185-T4	556	290	242	474	262	526	180	40	90	Φ10
RDZR8-SP200-T4										
RDZR8-SP220-T4										
RDZR8-SP250-T4										
RDZR8-SP280-T4										
RDZR8-SP315-T4										
RDZR8-SP350-T4	581	330	242	510	265	551	210	40	90	
RDZR8-SP400-T4										
RDZR8-SP450-T4	670	410	242	559	348	614	260	410	940	
RDZR8-SP500-T4										
RDZR8-SP630-T4										