◆ Technical Data:

Model: SR-E-8DC-DA-R

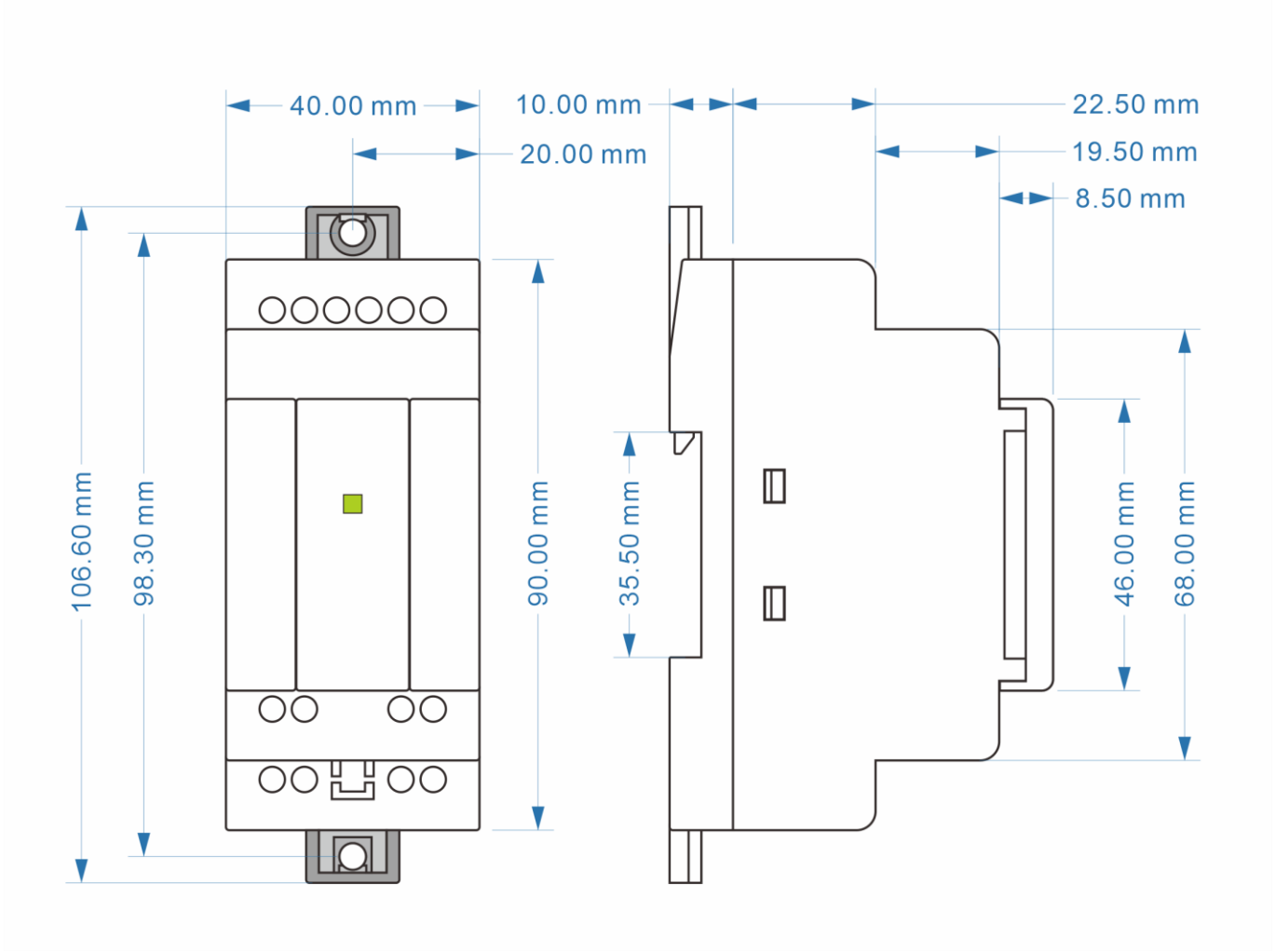
1. 3 pcs extensions can be applied to the SR CPU
2. 16 pcs extensions can be applied to the PR CPU
3. Connection cable length can be customized (Max. 30 Meters for the distance between the end extension and CPU)

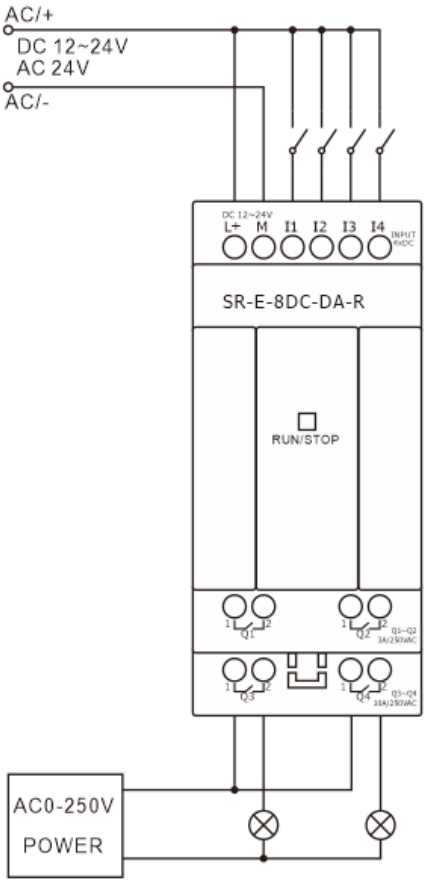
Technical Index

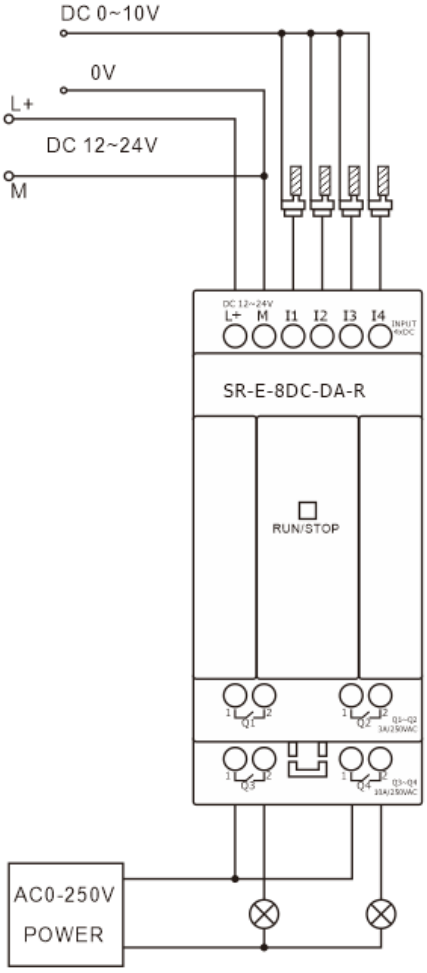
Power supply:	
Nominal voltage	DC 12-24V
Operating limits	DC 10.8-28.8V
Immunity from micro power cuts	Typ.5 ms
Max. Startup current	Max. 0.4A
Max. absorbed power	0.25 A (10.8V dc); 0.28 A (28.8V dc)
Protection against polarity inversions	Yes
Input parameters:	
Input No	4 (I1-I4)
Digital input	4 (I1-I4)
Analogue input	4 (I1-I4) (0..10V DC)
Inputs used as digital inputs (I1-I4)	
Input voltage	DC0-28.8V
Input signal0	< 5V DC;<0.09mA
Input signal1	> 8 V DC;>0.15mA
Input current	0.16mA @ 10.8V dc 0.18mA @ 12.0 V dc 0.35mA @ 24 V dc 0.41mA @ 28.8 V dc
Response time	DC12-24V 0 to 1： Typ. 5 ms; 1 to 0： Typ. 5 ms AC24V 0 to 1：Typ. 40ms 1 to 0：Typ. 40ms
Maximum counting frequency	Typ.：4 HZ
Sensor type	Contact or 3-wire PNP
Input type	Resistive
Isolation between power supply and inputs	None

Isolation between inputs	None
Inputs used as analog inputs (I1-I4)	
Measurement range	DC 0---10V
Input impedance	Min, 24KΩ; Max. 72KΩ
Input voltage	28.8 V DC max
Resolution	9bit ,0.015V
Accuracy at 25 °C	± (Max.0.2)V
Isolation between analog channel and power supply	None
Cable length	10 m max. shielded and twisted
Output parameters:	
Output No.	4 (Q1-Q4)
Output type	Relay output
Safety certified load (resistive)	(Q1-Q2) 3A 250VAC (Q3-Q4) 10A 250V AC
Min switching load	6V 1A
Electrical durability Expectancy	10^5 Operations at Rated Resistive Load
Mechanical life	10^7 Operations at No Load condition
Response time	Operate Time: 15 mSec. Max. Release Time: 10 mSec. Max.
Built-in protections	Against short-circuits: None Against over-voltages and overloads: None
Switch frequency:	
Mechanism	10Hz
Resistor/light load	2Hz
Sensitive load	0.5Hz
Other parameters:	
Operation temp	-20℃-+55℃
Storage temp	-40℃-+70℃
Weight	141.0g / 177.0g(packaging)

Installation Dimensions & Wiring Diagram




AC/+
DC 12~24V
AC 24V
AC/-
L+ M I1 I2 I3 I4
INPUT 4xDC
SR-E-8DC-DA-R
RUN/STOP
Q1~Q2 3A/250VAC
Q3~Q4 3A/250VAC
AC0-250V
POWER


DC 0~10V
0V
L+
DC 12~24V
M
L+ M I1 I2 I3 I4
INPUT 4xDC
SR-E-8DC-DA-R
RUN/STOP
Q1~Q2 3A/250VAC
Q3~Q4 3A/250VAC
AC0-250V
POWER