

R4 Series

Rolling Shutter

Features

Soft start and soft stop for smoother operation, reducing impact on the door system and extending the service life of the door.

Standard anti-drop protection function prevents accidental door falling, ensuring the safety of both personnel and goods.

Advanced servo technology enables a more compact and lightweight structure while maintaining high performance.

Quiet and low-noise operation provides a more comfortable working environment.

Certificates

Standard

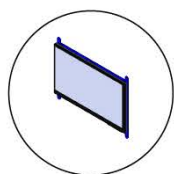
EN 12978:2003+A1:2009, EN 60204-1:2018,
EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019

related to CE Directive(s)

2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)



R4 Details



LCD Screen



Anti-Drop Mechanism



Hand Chain



Hand Crank



Hand crank switch

R4 Rolling Shutter Series Servo Motor Specifications

			
	PHD-R4-M-200.18	PHD-R4-M-300.18	PHD-R4-M-500.12
Working System	S3		
Power (W)	1500W		
Power Supply (v)	1N- 220V±10%		
Frequency (Hz)	50/60		
Input Current (A)	7	7	7
Output Torque (N.m)	200	300	500
Output Speed Range (rpm)	3~18	3~18	3~12
Door Opening Speed (m/s)	0.13-0.2	0.13-0.2	0.08-0.14
Door Weight (kg) ¹⁾	147-239	221-358	369-597
Opening And Closing Speed	Adjustable		
Soft Start And Stop	✓		
Motor IP Level	IP65		
Working Environment (°C)	20+50 ²⁾		
Hollow Shaft (mm)	25/30	30	30/40
Incremental Encoder	✓		
Absolute Encoder (Built-In)	✓		
Limit Stop Range	25	25	20
Cable Length (m)	7	7	7
Hand Chain Length (m)	5.5	5.5	8
Hand Crank	✓		
Mechanical Brake	✓		
Order Number	PHD-R4-M-200.18-RV	PHD-R4-M-300.18-RV	PHD-R4-M-500.12-RV

Value marked in color indicate customizable options.

- 1) Load Capacity without springs.
- 2) Rated power operation within the temperature range of -10°C to +40°C, with derated operation between -20°C to -10°C and +40°C to +50°C.
- 3) All the weight and speed data is based on 114mm-197mm rollers.

R4 Series, A4 Pro Series General Control Panel Specifications



Compatible Motor Models	PHD-A4-M · PHD-R4-M
Dimensions (mm)	250*450*185
Display	4 Lines Text Display
Input Voltage (V)	1N~200~240
Input Current (A)	13
Standby Power Consumption (W)	≤9W
Open/Close Speed Settings	✓
Open/Close Slowdown Zone	✓
Partial Opening Height (%)	✓
Error Report	✓
Fault Memory	✓
Maintenance Reminder	✓
NC/NO Switching	✓
Anti-Freeze Shake Function	✓
Torque Adjustment	✓
Automatic Test	✓
Miniature Circuit Breaker	✓
Open/Close/Stop Input	✓
RS485	✓
Safety Signal 1 Input	✓
Safety Signal 2 Input	✓
Jog/Manual/Automatic Switching	✓
Interlock	✓
Programmable Relay Output	2 Groups(can be expanded to 4 groups)
DC24V Output	0.4A≈10W
Order Number	PHD-A4-C-50

R4, A4 Pro General Control Panel Standard Accessories



Keys



Emergency Stop

R4, A4 Pro General Control Panel Accessories Options



SUS304 Shell



IP65 Shell



RS485 Module

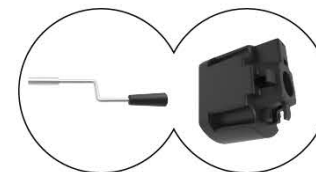


Remote Control

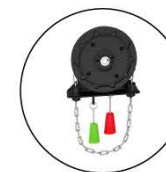
R4 Motor Standard Accessories



Anti-Drop Mechanism



Hand Crank & Hand Crank Switch
only for
PHD-R4-M-200-18 &
PHD-R4-M-300-18



Hand Chain
only for
PHD-R4-M-500-12

R4 Motor Accessories Options



Hand Crank



Hand crank switch



Hand Chain

Notes

- PHD-R4-M-200-18 and PHD-R4-M-300-18 have "Hand crank and Hand Crank switch" as standard configuration;
- PHD-R4-M-500-12 has "Hand Chain" as standard configuration.