

Hybrid motor starter - ELR H5-I-SC- 24DC/500AC-2-SP - 2901063

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Hybrid motor starter for reversing 3~ AC motors up to 550 V AC, with 24 V DC input, 2.4 A output current, adjustable overload shutdown, class 10 tripping characteristics, and with no underload detection.

The figure shows the 9 A version

Your advantages

- ✓ 22.5 mm wide
- ✓ Reduction in wiring
- ✓ Long service life
- ✓ Space saving
- ✓ 3-phase loop bridges
- ✓ Adjustable current for bimetal function
- ✓ Low-wear switching

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 577861
GTIN	4046356577861

Technical data

Dimensions

Width	22.5 mm
Height	106.6 mm
Depth	113.7 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Degree of protection	IP20

Connection data, control circuit

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Technical data

Connection data, control circuit

Connection name	Control circuits
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 14
Torque	0.5 Nm ... 0.6 Nm

General

Switching frequency	≤ 2 Hz (Load-dependent)
Mounting position	vertical (horizontal DIN rail, motor output below)
Assembly instructions	alignable, for spacing see derating
Operating mode	100% operating factor

Standards and Regulations

Designation	Standards/regulations
Standards/regulations	IEC 60947-1
	IEC 60947-1
	IEC 61508
	ISO 13849

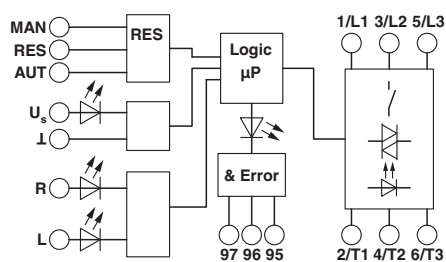
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

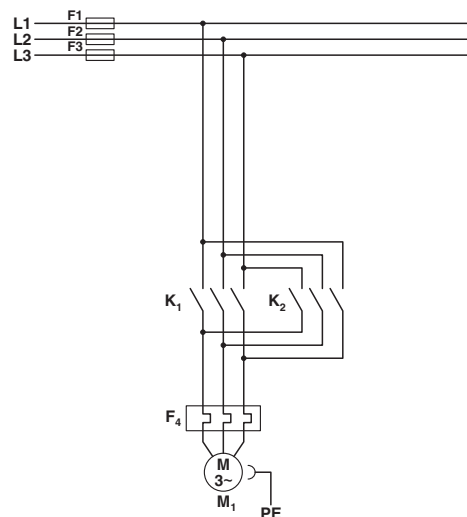
Drawings

Hybrid motor starter - ELR H5-I-SC- 24DC/500AC-2-SP - 2901063

Block diagram

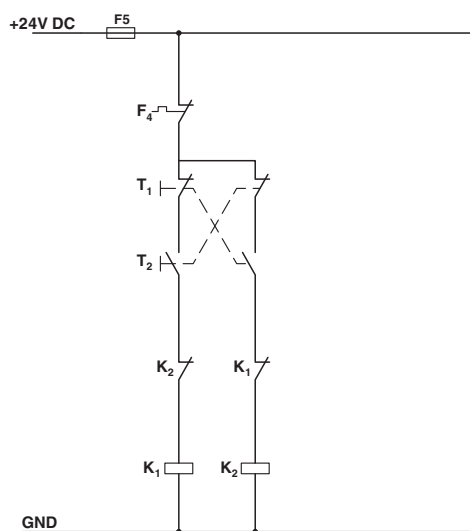


Circuit diagram



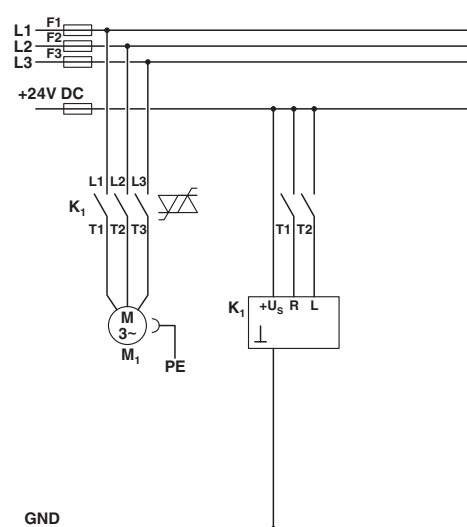
Conventional structure
Main current path contactor
K1 = Left contactor
K2 = Right contactor
F4 = Motor protection relay

Circuit diagram



Conventional structure
Control current path contactor
K1 = Left contactor
K2 = Right contactor
T1 = Left, T2 = Right
F4 = Motor protection relay

Circuit diagram



Structure with CONTACTRON
Main and control current path for '3 in 1' hybrid motor starter
K1 = '3 in 1' hybrid motor starter
T1 = Right, T2 = Left

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Approvals

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UL Listed / cUL Listed / UL Listed / cUL Listed / EAC

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 323771
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 323771
EAC			RU C- DE.A*30.B.01082

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