

EM-2RPT/21AU-R/L-P - Extension module



2909573

<https://www.phoenixcontact.com/us/products/2909573>

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Relay extension module for ELR-...-P hybrid motor starters, feedback of forward and reverse running when control signal is present, Push-in connection, DIN rail connector included

Commercial data

Item number	2909573
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C472
Product key	CK7485
Catalog page	Page 26 (C-5-2019)
GTIN	4055626445489
Weight per piece (including packing)	152 g
Weight per piece (excluding packing)	122.36 g
Customs tariff number	85364190
Country of origin	DE

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Technical data

Product properties

Product type	Extension module
Product family	CONTACTRON

Data management status

Article revision	02
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Electrical properties

Insulation characteristics

Rated insulation voltage	250 V
Rated surge voltage	4 kV
Degree of pollution	2

Output data

Contact switching type	1 changeover contact
Rated operating voltage U_e	24 V DC
	230 V AC
Switching capacity in accordance with IEC 60947-5-1	3 A (230 V, AC15)
	2 A (24 V, DC13)

Connection data

Load circuit

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	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

INTERFACE system

Connection method	DIN rail bus connectors
Number of connections	1
Number of positions	5

Dimensions

Width	22.5 mm
Height	106.6 mm
Depth	113.7 mm

Environmental and real-life conditions

Ambient conditions

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

Approvals

UKCA

Certificate	UKCA-compliant
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UL approval

Certificate	NLDX.E228652
	NRNT.E172140

UL data

Category code	NLDX / NRNT
Ambient temperature (operation)	-25 °C ... 55 °C

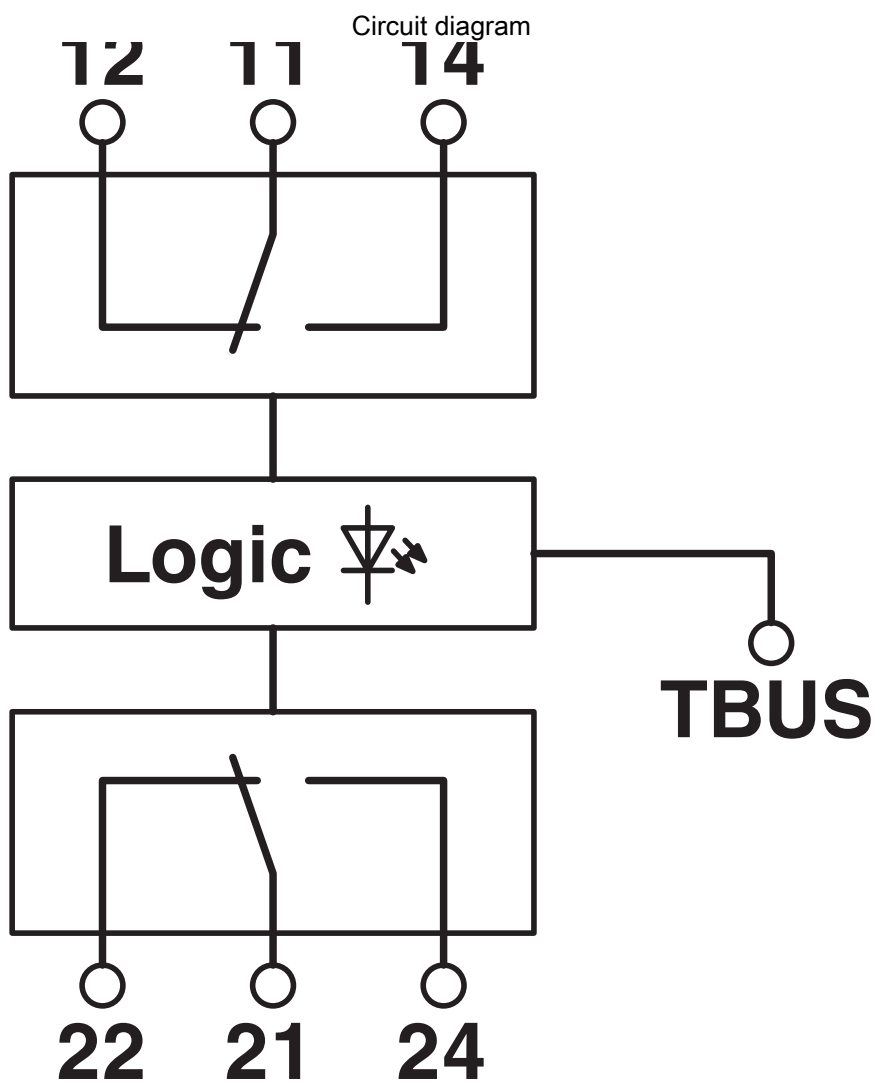
Standards and regulations

Standards/regulations	IEC 60947-5-1
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	Vertical (horizontal DIN rail)

Drawings



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2909573>




EAC
Approval ID: RU*DE.*08.B.01536/19




UL Listed
Approval ID: FILE E 172140



cUL Listed
Approval ID: FILE E 172140



cUL Listed
Approval ID: E228652



UL Listed
Approval ID: E228652

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Classifications

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	f4ed0bca-5bb1-460f-8b37-7fcd8e7d68cd

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Mandatory accessories

ELR-TBUS-22,5-P - DIN rail bus connectors

2203861

<https://www.phoenixcontact.com/us/products/2203861>

Special DIN rail connector only suitable for ELR H...-P and EM-...-P.



ELR H5-I-PT- 24DC/500AC-9-P02 - Hybrid motor starter

1160740

<https://www.phoenixcontact.com/us/products/1160740>



Modular hybrid motor starter for starting and reversing motors incl. motor protection and rotary field monitoring, input: 24 V DC, output: 3~, 500 V AC, 9 A, connection method: Push-in connection

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ELR H5-I-SC- 24DC/500AC-9-P - Hybrid motor starter

2908693

<https://www.phoenixcontact.com/us/products/2908693>



Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 9 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

ELR H3-I-SC- 24DC/500AC-9-P - Hybrid motor starter

2908694

<https://www.phoenixcontact.com/us/products/2908694>



Hybrid motor starter as an alternative to a conventional contactor circuit. Starts 3~ AC motors up to 9 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

EM-2RPT/21AU-R/L-P - Extension module

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ELR H5-I-SC- 24DC/500AC-3-P - Hybrid motor starter

2908695

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 3 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

ELR H3-I-SC- 24DC/500AC-3-P - Hybrid motor starter

2908696

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Hybrid motor starter as an alternative to a conventional contactor circuit. Starts 3~ AC motors up to 3 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

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ELR H5-IS-SC- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 9 A, provides motor protection and emergency stop up to SIL 3 / PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IS-SC- 24DC/500AC-9-P - Hybrid motor starter

2908698

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 9 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

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ELR H5-IS-SC- 24DC/500AC-3-P - Hybrid motor starter

2908699

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 3 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IS-SC- 24DC/500AC-3-P - Hybrid motor starter

2908700

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 3 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

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ELR H5-IES-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 9 A, provides motor protection, ATEX, and emergency stop up to SIL 3. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IES-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 9 A, provides motor protection, ATEX, and emergency stop up to SIL 3. Group shut-down, supply, and relay extension possible via DIN rail connector.

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ELR H5-IES-PT- 24DC/500AC-3-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 3 A, provides motor protection, ATEX, and emergency stop up to SIL 3. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IES-PT- 24DC/500AC-3-P - Hybrid motor starter

2909557

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 3 A, provides motor protection, ATEX, and emergency stop up to SIL 3. Group shut-down, supply, and relay extension possible via DIN rail connector.

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ELR H5-I-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 9 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

ELR H3-I-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional contactor circuit. Starts 3~ AC motors up to 9 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

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ELR H5-I-PT- 24DC/500AC-3-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 3 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

ELR H3-I-PT- 24DC/500AC-3-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional contactor circuit. Starts 3~ AC motors up to 3 A and offers motor protection. Possible supply and relay extension via DIN rail connector.

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ELR H5-IS-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 9 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IS-PT- 24DC/500AC-9-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 9 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

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ELR H5-IS-PT- 24DC/500AC-3-P - Hybrid motor starter

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Hybrid motor starter as an alternative to a conventional reversing contactor. Reverses 3~ AC motors up to 3 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

ELR H3-IS-PT- 24DC/500AC-3-P - Hybrid motor starter

2909570

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Hybrid motor starter as an alternative to a conventional protective circuit. Starts 3~ AC motors up to 3 A, provides motor protection and emergency stop up to SIL 3/PL e. Group shut-down, supply, and relay extension possible via DIN rail connector.

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