IBS RL 480 MLR R DIO6/1-LK2MBD - Motor starter

2734497

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Electromechanical reversing load motor starter for INTERBUS; fiber optic technology with 2 Mbaud, inputs (24 V DC), integrated motor protection relay (220 V AC to 480 V AC; 8 A, maximum), sensor connection via 5-pos. M12 female connectors, rugged metal housing, IP67 protection

Your advantages

- Rugged metal housing
- Emergency operation on the device or via external operating elements
- Comprehensive diagnostic functions including motor current monitoring
- Rugged Line connector for INTERBUS with fiber optic and supply voltage
- COMBICON connector for motor output
- M12 connector for digital inputs

Commercial data

Item number	2734497
Packing unit	1 pc
Sales key	DR03
Product key	DRI517
Catalog page	Page 331 (C-8-2013)
GTIN	4017918974190
Weight per piece (including packing)	4,151 g
Weight per piece (excluding packing)	3,800 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Dimensions

Width	185.1 mm
Height	193 mm
Depth	138 mm

Interfaces

INTERBUS

Connection method	Fiber optics
Transmission speed	2 Mbps

System properties

Module

ID code (dec.)	3
ID code (hex)	03
Length code (hex)	01
Length code (dec)	1
Process data channel	16 bit
Input address area	2 Byte
Output address area	2 Byte
Register length	2 Byte

Input data

Digital: Digital inputs

Number of inputs	6
Connection method	M12 connector
Connection technology	3-, 4-conductor
Number of positions	5
Input voltage	24 V DC (DIN EN 61131-2)
Input voltage range "0" signal	0 V ... 5 V
Input voltage range "1" signal	11 V ... 30 V
Filter time	3 ms
Typical input current per channel	5 mA (for U_{S1} = 24 V)

Product properties

Product type	I/O component
Product family	Ruggedline
Type	Block design
Diagnostics messages	Mains failure, phase failure, blown fuse Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Motor connector not plugged in, motor temperature exceeded,

	thermistor line short-circuited Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Sensor supply failure Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Failure of the actuator supply Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Motor overcurrent Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Output stage cannot be controlled Error message in diagnostic code (bus) and display by means of the E LED on the motor starter
	Module error during self test Message to the master

Electrical properties

Supply: Module electronics

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 32 V DC (including ripple)
Ripple	3.6 V_{pp}

Connection data

Connection method	M12 connector

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67
Ambient temperature (operation)	0 °C ... 55 °C
Air pressure (operation)	860 hPa ... 1080 hPa (up to 1500 m above sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3500 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	100 %
Permissible humidity (storage/transport)	95 % (non-condensing)

Standards and regulations

Protection class	I (IEC 61140, EN 61140, VDE 0140-1)

Air clearances and creepage distances

Air clearances and creepage distances	in accordance with EN 50178: 1998

Mounting

Mounting type	on mounting panel
	Panel mounting

Classifications

ECLASS

ECLASS-11.0	27242609

ETIM

ETIM 8.0	EC001605

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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