IBS RL 400 MLR R DIO6/1 LK - Motor starter

2734769

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Electromechanical reversing load motor starter for INTERBUS; fiber optic technology with 500 kbaud, inputs (24 V DC), integrated motor protection relay (220 V AC to 440 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	2734769
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRI517
Catalog page	Page 237 (C-6-2017)
GTIN	4017918906863
Weight per piece (including packing)	4,149 g
Weight per piece (excluding packing)	3,800 g
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	500 kbps

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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