

DOL starter, 3p, 3.0kW/400V/AC3, 100kA

MSC-D-10-M7(110V50HZ,120V60HZ) 115901

XTSC010B007BANL



Design verification as per IEC/EN 61439

Part no.

Article no.

Catalog No.

Design verification as per IEG/EIN 01439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	10
Heat dissipation per pole, current-dependent	P _{vid}	W	2.7
Equipment heat dissipation, current-dependent	P _{vid}	W	8.1
Static heat dissipation, non-current-dependent	P _{vs}	W	1.4
Heat dissipation capacity	P _{diss}	W	0
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Motor starter combination (ecl@ss8.1-27-37-09-05 [AJZ718010])

[AJZ/18010])		
Kind of motor starter		Direct starter
With short-circuit release		Yes
Rated control supply voltage Us at AC 50HZ	V	110 - 110
Rated control supply voltage Us at AC 60HZ	V	120 - 120
Rated control supply voltage Us at DC	V	0 - 0

Valuage by Point in actuating AC Rated operation power at AC-3, 481 V kW 3 Read operation power at AC-3, 481 V kW 0 Read operation power at AC-3, 481 V kW 0 Read operation current R AC, 400 V 6 Read operation current at AC-3, 400 V AC 3 Coverted relations current at AC-3, 400 V AC 3 Read conditional abort-circuit current, type 1, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y277 V AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC 0 Read conditional abort-circuit current, type 2, 480 Y AC <td< th=""><th></th><th></th><th></th></td<>			
Rated operation power at AC-3,400 V kW 3 Risked power, 450 V, 68 H-3, -3plase kW 0 Rated operation current et A.D. 65 Rated operation current at AC-3,400 V A.D. 7 Cereford release current at AC-3,400 V A.D. 3.0 Rated conditional short-circuit current, type 1,400 Y/37 V A.D. 0 Rated conditional short-circuit current, type 2,400 V A.D. 0 Rated conditional short-circuit current, type 2,400 V A.D. 0 Number of auxiliary contacts as normally open contact B.D. 0 Number of auxiliary contacts as normally closed contact B.D. 0 Number of auxiliary contacts as normally closed contact B.D. 0 Release class C.D. 80 Release class C.D. 80 Release class C.D. 80 Release class C.D. 80 Temperature compensated severoud protection C.D. 80 Type of electrical connection for auxiliary- and control current circuit C.D. 80 Supporting protector for P	Voltage type for actuating		AC
Rated power, 760 V, 80 Mr. 3-phase	Rated operation power at AC-3, 230 V, 3-phase	kW	1.5
Rated power, 515 V, 60 Hz, 2-phase kW 0 Rated operation current le Rodrogeration current al Ac-3,400 V A 5 Overtoud release current setting A 6.3 10 Batted operation current setting A 0 Overtoud release current setting A 0 Rated conditional short-circuit current, ype 1, 800 V/34 V A 0 Rated conditional short-circuit current, ype 2, 400 V A 0 Rated conditional short-circuit current, ype 2, 400 V A 0 Number of auxiliary contacts as normally open contact C 0 Number of auxiliary contacts as normally open contact C 0 Ambient temperature, upper operating limit C 0 Temperature compensated overload protection C 0 Temperature possible C 0 Temperature possible of passible protection of main circuit C 0 Type of electrical connection of auxiliary and control current circuit C 0 Suppering protection FP No No Suppering protection for PROFIBUS No No <tr< td=""><td>Rated operation power at AC-3, 400 V</td><td>kW</td><td>3</td></tr<>	Rated operation power at AC-3, 400 V	kW	3
Rated opporation current le A 6 Rated opporation current act.02,400 V A 7 Overfoad release current act.02,400 V A 0 Rated conditional short-circuit current, ype 1,460 YJ27 V A 0 Rated conditional short-circuit current, ype 1,600 YJ34 V A 0 Rated conditional short-circuit current, ype 2,200 V A 0 Number of auxiliary contacts as normally open centact A 0 Number of auxiliary contacts as normally closed contact C 0 Anhibest emperature, upper opening limit C 0 Temperature compensated overload protection C 0 Release class C CLASS 10 Type of electrical connection of auxiliary- and control current circuit C Screw connection Type of electrical connection for auxiliary- and control current circuit P 120 Rail mounting possible C No Degree of protection (P) No No Supporting protector for PDR No No Supporting protector for MDRBUS No No <t< td=""><td>Rated power, 460 V, 60 Hz, 3-phase</td><td>kW</td><td>0</td></t<>	Rated power, 460 V, 60 Hz, 3-phase	kW	0
Rated operation current at AC-3,400 V A 3 10 Overload release current setting A 8.3 10 Rated conditional short-circuit current, type 1,480 Y/27 V A 0 Rated conditional short-circuit current, type 2,400 V A 0 Rated conditional short-circuit current, type 2,400 V A 0 Number of availilary contacts as normally open contact 1 0 Number of availilary contacts as normally open contact C 0 Antibient temperature, upper operating limit C 0 Tamporature composated world opracticion C 0 Release class C CASS 10 Type of electrical connection of main circuit Yes 0 Type of electrical connection for availlary- and control current circuit Yes 0 Supporting protocol for FDPIP Yes 0 Supporting protocol for FRORBUS Yes 0 Supporting protocol for FRORBUS Yes 0 Supporting protocol for ABS Yes 0 Supporting protocol for MoDBUS Yes 0	Rated power, 575 V, 60 Hz, 3-phase	kW	0
Overload reliases current setting A 3.3 10 Rated conditional short-circuit current.type 1,480 Y277 Y A 0 Rated conditional short-circuit current.type 2,200 Y A 0 Rated conditional short-circuit current.type 2,200 Y A 0 Rated conditional short-circuit current.type 2,200 Y A 0 Number of auxiliary contacts as normally open contect B 1 Number of auxiliary contacts as normally open contect C 0 Anhibit temporature, upper open gint C 0 Tomperature componisted overload protoction C 0 Rolesse class C 0 Type of electrical connection of main circuit C 0 Type of electrical connection for auxiliary- and control current circuit C 0 Supporting protocol for PROFINE Yes 0 Supporting protocol for PROFINE Yes No Supporting protocol for PROFINE Yes No Supporting protocol for MXTERUS Yes No Supporting protocol for MXTERUS Yes No Supporting pr	Rated operation current le	А	6.6
Rated conditional short-circuit current, type 1,600 Y357 Y A 0 Rated conditional short-circuit current, type 1,200 Y457 Y A 0 Rated conditional short-circuit current, type 2,000 Y A 0 Number of auxiliary contacts as normally open contact Y 0 Number of auxiliary contacts as normally closed contact ***O 0 Ambient formprature, upper operating firmt ***O 0 Temperature compensated overfload protection ***O 0 Release class ***C CLSS 10 Type of electrical connection of main circuit ***C CLSS 10 Release class ***C CLSS 10 Release class ***C CLSS 10 Reporting protection flor maxiliary- and control current circuit ***C Pas 20 Reporting protected for FORPIP ***C Pas 20 Supporting protected for FORPIP ***C No Supporting protected for FORPIP ***C No Supporting protected for MODBUS ***C No Supporting protected for FORPIP ***C No Suppor	Rated operation current at AC-3, 400 V	А	7
Rated conditional short-circuit current, type 2,200 Y A 0 Rated conditional short-circuit current, type 2,240 Y A 0 Number of auxiliary cortacts as anomally open contact B 7 Number of auxiliary cortacts as anomally closed centsct C 9 Anishest temperature, upper operating limit C Yes Temperature compensated overload protection C Yes Release class CLASS 10 Type of electrical connection for auxiliary- and control current circuit S Yes Bill in outsing possible Yes Crev connection Supporting protected for TPRIP Yes No Supporting protected for TPRIP Yes No Supporting protected for TRBBUS No No Supporting protected for TRBBUS No No Supporting protected for MDBUS No No Supporting protected for Data-Highway Yes No Supporting protected for Data-Highway Yes No Supporting protected for PBDENT IG Yes No Supporting protected for PBDENT IG	Overload release current setting	Α	6.3 - 10
Bated conditional short-circuit current, type 2, 280 V A 0 Rated conditional short-circuit current, type 2, 400 V A 0 Number of auxiliary contacts as normally open contact C 0 Number of auxiliary contacts as normally logend contact C 0 Temperature compensated overload protection C 0 0 Release class CLASS 100 CLASS 100 0 Type of electrical connection of main circuit Serew connection Serew connection Page of protectical logneration of main circuit Serew connection No Supporting protocol for PROPRIBUS Page 2 No Supporting protocol for PROPRIBUS No No Supporting protocol for PROPRIBUS No No Supporting protocol for MOSBUS No No	Rated conditional short-circuit current, type 1, 480 Y/277 V	А	0
Rate de onditional short -circuit current, ype 2 400 V A 0 1 Number of auxiliary contacts as normally open contact 1 2 <td< td=""><td>Rated conditional short-circuit current, type 1, 600 Y/347 V</td><td>А</td><td>0</td></td<>	Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Number of auxiliary contacts as normally closed contact 6 6 0 Number of auxiliary contacts as normally closed contact °C 0 Ambient temperature, upper operating limit °C 0 Temperature compensated overload protection *C 0 Release class CLASS 10 Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection Rail mounting possible Yes Yes Supporting protection (IP) Yes No Supporting protect for TCP/IP No No Supporting protect for PROFIBUS No No Supporting protect for FROFIBUS No No Supporting protect for ASI No No Supporting protect for FROFIBUS No No Supporting protect for MOBUS No No Supporting protect for FROFIBET (I) No No Supporting protect for FROFIBET (I) No No Supporting protect for FROFIBET (BA No No	Rated conditional short-circuit current, type 2, 230 V	А	0
Number of auxiliary contacts as normally closed contact ****C 60 Ambient temperature, upper operating limit ***C 96 Temperature compensated overload protection ***C Yes Release class CASS 10 Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection Rail mounting possible Yes Degree of protection IPP Yes Supporting protect for TCP/IP No Supporting protect for FAN Yes Supporting protect for ASI No Supporting protect for ASI No Supporting protect for MDRBUS	Rated conditional short-circuit current, type 2, 400 V	А	0
Ambient temperature, upper operating limit *C 80 Temperature compensated overload protection **** Yes Release class ***** CLASS 10 Type of electrical connection of main circuit ***** Exerce connection Type of electrical connection for auxiliary- and control current circuit **** Screw connection Ball innounting possible **** Yes Degree of protection (IP) **** No Supporting protection (IP) **** No Supporting protector for ROPIBUS No No Supporting protector for CAN **** No Supporting protector for NTERBUS No No Supporting protector for MOBUS No No Supporting protector for Data-Highway No No Supporting protector for SUCONET No No Supporting protector for SUCONET No No Supporting protector for PROFINET CBA No No Supporting protector for PROFINET CBA No No Supporting protector for Fundation Fieldbus No	Number of auxiliary contacts as normally open contact		1
Temperature compensated overload protection Yes Release class CLASS 10 Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection Bail mounting possible IP20 Degree of protection (IP) IP20 Supporting protectool for TCP/IP No Supporting protect of TCPAN No Supporting protect of CAN No Supporting protect of th MIDBUS No Supporting protect of the DEVISION No Supporting protect of the PROFINET IO No Supporting protect of the PROFINET CBA No Supporting protect of the PROFINET CBA No Supporting protect of the PROFINET CBA No	Number of auxiliary contacts as normally closed contact		0
Release class Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible Begree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAA Supporting protocol for CAA Supporting protocol for INTERBUS Supporting protocol for National Highway Supporting protocol for DaviceNet Supporting protocol for DaviceNet Supporting protocol for DaviceNet Supporting protocol for DaviceNet Supporting protocol for SERCOS Supporting protocol for FROFINET IO Supporting protocol for FROFINET IO Supporting protocol for DaviceNet Supporting protocol for DaviceNet Supporting protocol for SERCOS Supporting protocol for FROFINET IO Supporting protocol for PROFINET IO Supporting protocol for PROFINET IO Supporting protocol for DaviceNet Supporting protocol for DaviceNet Supporting protocol for PROFINET IO Supporting protocol for FROFINET IO Supporting protocol for Salety IVINE Supporting protocol for Salety I	Ambient temperature, , upper operating limit	°C	60
Type of electrical connection of main circuit Screw connection Type of electrical connection for auxiliary- and control current circuit Screw connection Rail mounting possible Yes Degree of protection (IP) IP20 Supporting protocol for TCP/IP No Supporting protocol for PROFIBUS No Supporting protocol for CAN No Supporting protocol for INTERBUS No Supporting protocol for Bash-lightway No Supporting protocol for Data-lightway No Supporting protocol for Duta-lightway No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET GA No Supporting protocol for PROFINET GBA No Supporting protocol for PROFINET GBA No Supporting protocol for Central-villa No Supporting protocol for Central-villa No Supporting protocol for DeviceNet </td <td>Temperature compensated overload protection</td> <td></td> <td>Yes</td>	Temperature compensated overload protection		Yes
Type of electrical connection for auxiliary- and control current circuit Rail mounting possible Degree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for PROFIBUS Supporting protocol for PROFIBUS Supporting protocol for NATERBUS Supporting protocol for NATERBUS Supporting protocol for INTERBUS Supporting protocol for NATERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for Success Supporting protocol for Success Supporting protocol for Success Supporting protocol for PROFINET IO Supporting protocol for PROFINET IOB Supporting protocol for PROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for EternevIP Supporting protocol for ASI-entwelre Supporting protocol for FROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for EternevIP Supporting protocol for FROFINET CBA Supporting proto	Release class		CLASS 10
Rail mounting possible Degree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for CAN Supporting protocol for GAN Supporting protocol for MOBBUS Supporting protocol for MOBBUS Supporting protocol for MOBBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET IO Supporting protocol for PROFINET US Supporting protocol for FROFINET US Supporting PR	Type of electrical connection of main circuit		Screw connection
Degree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS No Supporting protocol for RORIBUS No Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Buta-Highway Supporting protocol for Buta-Highway Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET OBA Supporting protocol for PROFINET GBA Supporting protocol for SERCOS Supporting protocol for SCRCOS Supporting protocol for SCRCOS Supporting protocol for EtherNey/IP Supporting protocol for EtherNey/IP Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Supporting protocol for INTERBUS-Safety Supporting protocol for PROFISafe Supporting protocol for PROFISafe Supporting protocol for PROFISafe Supporting protocol for PROFISafe Supporting protocol for SCRCOS Supporting protocol for ScafetyBUS p Supporting	Type of electrical connection for auxiliary- and control current circuit		Screw connection
Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for MODBUS Supporting protocol for Deta-Highway Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for PROFINET CBA Supporting protocol for SerCOS	Rail mounting possible		Yes
Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for SerCos Supporting protoc	Degree of protection (IP)		IP20
Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for Fundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for Sercos Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for EtherNet/IP Supporting protocol for Sercos Supporting protocol for EtherNet/IP Supporting protocol for DeviceNet Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFISafe No Supporting protocol for PROFISafe No Supporting protocol for SafetyBUS p No	Supporting protocol for TCP/IP		No
Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for PROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for Fundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for Boulation Fieldbus Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Supporting protocol for PROFISafe Supporting protocol for PROFISafe Supporting protocol for SafetyBUS p No	Supporting protocol for PROFIBUS		No
Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET GBA Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for PROFIsafe Supporting protocol for PROFIsafe No Supporting protocol for SERCOS Supporting protocol for SERCOS Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for DeviceNet Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for SafetyBUS p No	Supporting protocol for CAN		No
Supporting protocol for MODBUS Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No Supporting protocol for SUCONET No Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for DeviceNet Safety No Supporting protocol for No Supporting protocol for DeviceNet Safety No Supporting protocol for SafetyBUS p No Supporting protocol for SafetyBUS p	Supporting protocol for INTERBUS		No
Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for SUCONET No Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFISafe Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for ASI		No
Supporting protocol for DeviceNet Supporting protocol for SUCONET No Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Supporting protocol for PROFIsafe Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for MODBUS		No
Supporting protocol for SUCONET Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Supporting protocol for PROFIsafe Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for Data-Highway		No
Supporting protocol for LON Supporting protocol for PROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for DeviceNet		No
Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work No Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for SUCONET		No
Supporting protocol for PROFINET CBA Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for LON		No
Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for PROFINET IO		No
Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for PROFINET CBA		No
Supporting protocol for EtherNet/IP Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for EtherNet/IP		No
Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p No	Supporting protocol for INTERBUS-Safety		No
	Supporting protocol for PROFIsafe		No
Supporting protocol for other bus systems No	Supporting protocol for SafetyBUS p		No
	Supporting protocol for other bus systems		No