Reversing starter, 6.6 A, Sensor input 2, 230/277 V AC, AS-Interface®, S-7.A.E. for 62 modules, HAN Q5, with manual override switch



Part no. RAM05-W202A32-512RS1 198534

Parameterization: drives Connect mobile (App) Parameterization: drives Connect mobile (App) Parameterization: drives Connect mobile (App) Parameterization: frives Connect mobile (App) Parameterization: friv		
Finder Lingth (Popin) Product langth (Popin) Product Taleanne Pro	Product name	Eaton Moeller® series Rapid Link Reversing starter
Product Langh/Depth Product rednight Product Sab Type Product Teacher Product Sab Type Product Sab Type Product Teacher Prod	Part no.	RAM05-W202A32-512RS1
Product winds Product Tederance Product Tederance Product Tederance Product Sub Type Product Sub	EAN	4015081964093
Product vestight 20 millimetre Product vestight 12 kilogram Certifications 12 kilogram Product Tardename 42 page 10 kilog Product Tardename 80 page 10 kilog Product Tardename 80 page 10 kilog Product Star Type 80 page 10 kilog Carloing Motes Assigned moor ratings for normal internally and outernally ventilated 4 poles, three phase synchronous motors with 150 rpm at 50 ker of 800 min at 60 ker Features Parameterization of riverscomect mobile (App) Features Parameterization of riverscomect mobile (App) Final with: Parameterization of riverscomect mobile (App)	Product Length/Depth	120 millimetre
Product visigify Certifications Certification Certification Certification Certification Certification Certification Certificat	Product height	270 millimetre
Cardinations Usagement UsePM 1-2-CCC EIGH 10947-1-2 CCC EIGH 10947-1-2 CCC EIGH 10947-1-2 Roads Baped Link Product Tuderame 8 Repertain starter Product Sub Type 8 Repertain starter Catalog Notes Assigned motor rating, for normal internally and externally vanitized 4 poly. Proportions Features Parameterization, dives Councer mobile (App) Features Parameterization, dives Councer mobile (App) Features Parameterization, dives Councer mobile (App) Parameterization, relevance mobile (App) Parameterization, relevance mobile (App) Parameterization, dives Councer mobile (App) Parameterization, relevance mobile (App) Parameterization, relevance mobile (App) Parameterization,	Product width	220 millimetre
Class Clas	Product weight	1.8 kilogram
Product Type Product Sub Type Caralog Notes	Certifications	UL 60947-4-2 CCC IEC/EN 60947-4-2 RoHS
Product Sub Type Catalog Notes Cat	Product Tradename	Rapid Link
Catalog Notes Assigned motor rating: for normal internally and externally ventilated 4 point, three phase asynchronous motors with 1500 rpm at 50 Hz or 1800 min at 600 Hz. Features Parameterization: drives Connect mobile (App) Parameterization: Fishbase promise ration. Fishbase	Product Type	Reversing starter
Parameterization: drives Connect mobile (App) Parameterization: drives Connect mobile (App) Parameterization: drives Connect mobile (App) Parameterization: frives Connect mobile (App) Parameterization: friv	Product Sub Type	None
Parametrization. Irichiorin. Keypad Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Mixed Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in Keypad Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in Keypad Department of the bugh MIZ sockets (max. 150 mA) for quick stop and Disposition in ALD Disposition IAIAD Disposition IAIAD Disposition IAIAD Department of extensive profite claims of motors with mechanical brake Department of extensive profite compassible overload protection Disposition IAIAD Disposit	Catalog Notes	Assigned motor rating: for normal internally and externally ventilated 4 pole, three phase asynchronous motors with 1500 rpm at 50 Hz or 1800 min at 60 Hz
Librations Libration State of protection and position AUTO Excitate State Accasing and invited Search and AUTO Excitation auto protection Short-circuit releases to remain storm and notion pPTC Keys switch position AUTO Excitation auto protection Short-circuit releases to remain storm and notion pPTC Keys switch position OFF/RESET Functions For actuation of motors with mechanical brake Excitation auto Temperature compensated overload protection and Temperature compensated overload protection are application of the Care and Temperature compensated overload protection are applications and Temperature compensated overload protection and Temperatu	Features	Parameterization: drivesConnect Parameterization: Fieldbus Parameterization: Keypad
Class CLASS 10 A Degree of protection P85 Electromagnetic compatibility Class A Lifespan, electrical 10,000,000 Operations (at AC-3) Lifespan, mechanical 10,000,000 Operations (at AC-3) Model Reversing starter Overload release current setting - min 30 A Overload release current setting - max 66 A Overvoltage category III Protocol ASI ASI-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) 400 Voltage Center-point earthed Star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter	Fitted with:	Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation Manual override switch Key switch position HAND Key switch position AUTO Electronic motor protection Short-circuit release Thermistor monitoring PTC
Degree of protection IP65 NEMA 12 Electromagnetic compatibility Class A Lifespan, electrical 10,000,000 Operations (at AC-3) Lifespan, mechanical 10,000,000 Operations (at AC-3) Model Reversing starter Overload release current setting - min 0.3 A Overvoltage category III Product category Motor starter Protocol ASI AS-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) 4000 V System configuration type Covoltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter	Functions	External reset possible
Degree of protection IP65 NEMA 12 Electromagnetic compatibility Class A Lifespan, electrical 10,000,000 Operations (at AC-3) Lifespan, mechanical 10,000,000 Operations (at AC-3) Model Reversing starter Overload release current setting - min 0.3 A Overvoltage category III Product category Motor starter Protocol ASI AS-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) 4000 V System configuration type Covoltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		
Electromagnetic compatibility Lifespan, electrical Lifespan, mechanical Model Overload release current setting - min Overvoltage category Product category Protocol Rated impulse withstand voltage (Uimp) Type NEMA 12 Class A Class A 1,000,000 Operations (at AC-3) 1,000,000	Class	CLASS 10 A
Lifespan, electrical Lifespan, mechanical Model Overload release current setting - min Overvoltage category Product category Protocol Rated impulse withstand voltage (Uimp) System configuration type Type 10,000,000 Operations (at AC-3) 10,000,000 Operat	Degree of protection	
Lifespan, electrical Lifespan, mechanical Model Overload release current setting - min Overvoltage category Product category Protocol Rated impulse withstand voltage (Uimp) System configuration type Type 10,000,000 Operations (at AC-3) 10,000,000 Operat	Electromagnetic compatibility	
Lifespan, mechanical 10,000,000 Operations (at AC-3) Model Reversing starter Overload release current setting - min 0.3 A Overload release current setting - max 0.66 A Overvoltage category III Product category Motor starter Protocol ASI		
ModelReversing starterOverload release current setting - min0.3 AOverload release current setting - max6.6 AOvervoltage categoryIIIProduct categoryMotor starterProtocolASI AS-Interface profile cable: S-7.4 for 62 modulesRated impulse withstand voltage (Uimp)4000 VSystem configuration typeAC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.TypeReversing starter		
Overload release current setting - min Overload release current setting - max Overvoltage category Product category Protocol Rated impulse withstand voltage (Uimp) System configuration type Type Reversing starter Reversing starter O.3 A 0.3 A 6.6 A III Motor starter Motor starter ASI AS-Interface profile cable: S-7.4 for 62 modules AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Reversing starter		
Overload release current setting - max Overvoltage category III Product category Motor starter ASI AS-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		
Overvoltage category Product category Motor starter ASI AS-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		
Product category Motor starter ASI ASI-Interface profile cable: S-7.4 for 62 modules Rated impulse withstand voltage (Uimp) System configuration type Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		
Protocol ASI AS-Interface profile cable: S-7.4 for 62 modules 4000 V System configuration type AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		
System configuration type AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter		ASI
Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted. Type Reversing starter	Rated impulse withstand voltage (Uimp)	4000 V
		Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.
Voltage type DC		

Mounting position	Vertical
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, 11 ms, Half-sinusoidal shock ms, 1000 shocks per shaft
Vibration	Resistance: 10 - 150 Hz, Oscillation frequency Resistance: 6 Hz, Amplitude 0.15 mm Resistance: 57 Hz, Amplitude transition frequency on acceleration Resistance: According to IEC/EN 60068-2-6
Altitude	Max. 2000 m Max. 1000 m Above 1000 m with 1 % performance reduction per 100 m
Ambient operating temperature - min	-10 °C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	70 °C
Climatic proofing	< 95 %, no condensation In accordance with IEC/EN 50178
Current limitation	0.3 - 6.6 A, motor, main circuit Adjustable, motor, main circuit
Input current	6.6 A (at 150 % Overload)
Mains switch-on frequency	Maximum of one time every 60 seconds
Mains voltage tolerance	380 - 480 V (-15 %/+10 %, at 50/60 Hz)
Off-delay	20 - 35 ms
On-delay	20 - 35 ms
Output frequency Overload cycle	50/60 Hz AC-53a
Rated frequency - max	63 Hz
Rated frequency - min	47 Hz
Rated operational current (Ie)	6.6 A
Rated operational current (Ie) at 150% overload	6.6 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	6.6 A
Rated operational power at 380/400 V, 50 Hz - max	3 kW
Rated operational power at 380/400 V, 50 Hz - min	0.09 kW
Rated operational power at AC-3, 220/230 V, 50 Hz	0 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	3 kW
Rated operational voltage	400 V AC, 3-phase 480 V AC, 3-phase
Supply frequency	50/60 Hz, fLN, Main circuit
Assigned motor power at 460/480 V, 60 Hz, 3-phase	3 HP
Braking current	\leq 0.6 A (max. 6 A for 120 ms), Actuator for external motor brake
Braking voltage	230/277 V AC -15 % / +10 %, Actuator for external motor brake
Rated conditional short-circuit current (Iq)	10 kA
Rated conditional short-circuit current (Iq), type 2, 380 V, 400 V, 415 V	0 A
Short-circuit protection (external output circuits)	Type 1 coordination via the power bus' feeder unit, Main circuit
Rated control supply voltage (Us) at AC, 50 Hz - min	0 V
Rated control supply voltage (Us) at AC, 50 Hz - max	0 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V
Rated control supply voltage (Us) at AC, 60 Hz - max	0 V
Rated control supply voltage (Us) at DC - min	0 V
Rated control supply voltage (Us) at DC - max	0 V
Rated control voltage (Uc)	24 V DC (-15 %/+20 %, external via AS-Interface® plug) 230/277 V AC (external brake 50/60 Hz)

Connection	Connections pluggable in power section
Interfaces	Specification: S-7.A.E. (AS-Interface®) Max. total power consumption from AS-Interface® power supply unit (30 V): 190 mA Number of slave addresses: 62 (AS-Interface®)
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Cable length	10 m, Radio interference level, maximum motor cable length
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 8.0

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@ss10.0.1-27-37-09-05 [AJZ718013])

[A02710010])		
Type of motor starter		Reversing starter
With short-circuit release		Yes
Rated control supply voltage Us at AC 50HZ	V	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	0 - 0
Voltage type for actuating		DC
Rated operation power at AC-3, 230 V, 3-phase	kW	0
Rated operation power at AC-3, 400 V	kW	3
Rated power, 460 V, 60 Hz, 3-phase	kW	2.238
Rated power, 575 V, 60 Hz, 3-phase	kW	0
Rated operation current le	А	6.6
Rated operation current at AC-3, 400 V	А	6.6
Overload release current setting	А	0.3 - 6.6
Rated conditional short-circuit current, type 1, 480 Y/277 V	А	10,000
Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Rated conditional short-circuit current, type 2, 230 V	Α	0
Rated conditional short-circuit current, type 2, 400 V	А	0

Number of auxiliary contacts as normally open contact 0 Ambient of auxiliary contacts as normally open contact "C 55 Immortant compensated overload protection "C 55 Tompe catture, upper open depring limit "C 55 Type of electrical connection of main circuit "C Play in connection Type of electrical connection of main circuit "C Play in connection With construint "C Play in connection With transformer "C Play in connection Contribution class according to IEC 80841-3 "C Play Number of inductant lights "C Play Charmal reast possible "G Play With fuse Play Play Degree of protection IPIN "E Play Supporting protection PNDA "E Play			
Ambient tumperaturo, upper operating limited "C S Tumperature compensated overload production 4 Yes Release class C CASS 10A Type of electrical connection of main circuit 4 Plugin connection Type of electrical connection for auxiliary: and control current circuit 5 No Nall anaunting possible 5 No Number of command positions 5 No Subable for emergency sup 6 No Condentained class according to IEC 60847-4-3 6 Sea Number of indicator lights 6 9 No Conformation class according to IEC 60847-4-3 7 No Number of indicator lights 6 9 No External react possible 7 No No Understanced professorial (IP) 9 No No Degree of protection IPD 9 No No Supporting protected for FORPHUS 9 No Supporting protected for MITEBUS 9 No Supporting protected for Mumbes <td>Number of auxiliary contacts as normally open contact</td> <td></td> <td>0</td>	Number of auxiliary contacts as normally open contact		0
Temperature compensated overload protection Yes Release class CASS 10 A Type of electrical connection of main circuit Pugin incomestion Type of electrical connection for auxiliary: and control current circuit Pugin incomestion Not incommand possible No With transformer No Notation of manage passions 2 Substitution class according to ECOSPT-43 No Number of information class according to ECOSPT-43 Yes With flass Page 3 Extransil reset possible Yes With flass Page 3 Degree of protection INEMAN 12 Supporting protected for TCPIPP Page 3 Supporting protected for TCPIPP No Supporting protected for FBORIBUS No Supporting protected for MRHEBUS No Supporting protected for MRHEBUS No Supporting protected for Device Mediu No Supporting	Number of auxiliary contacts as normally closed contact		0
Release class CLASS IOA Type of electrical connection franciscuit Plugin connection Filal mounting possible Plugin connection With transformer Polagin connection Number of command positions Polagin connection Statisfiel for mere gency stop Polagin connection Conditation class according to IEC 698/T-43 Polagin connection Number of indicator lights Polagin connection Feet and reset possible Polagin connection With fuse Polagin connection Degree of protection (IP) Polagin connection Degree of protection (IP) Polagin connection Degree of protection (IP) Polagin connection Supporting protocol for CAN Polagin connection Supporting protocol for EAN Polagin connection Supporting protocol for Modulus Polagin connection Supporting protocol for Modulus Polagin connection Supporting protocol for ENORIFET CBA <	Ambient temperature, upper operating limit	°C	55
Type of electrical connection of main circuit Pug-in connection Type of electrical connection for auxiliary- and control current circuit Pug-in connection Rail mounting passible No Number of command positions Pug-in connection Suitable for emergency stop Pug-in connection Coordination class according to IEC 6987+3 Pug-in connection With fundament in passible Pug-in connection With fundament in passible Pug-in connection With fundament in passible Pug-in connection Coordination class according to IEC 6987+3 Pug-in connection With fundament in passible Pug-in connection Supporting protocol for FABINET Pug-in connection Supporting protocol for Widebus	Temperature compensated overload protection		Yes
Type of electrical connection for auxiliary: and control current circuit Puguin connection Rail mounting possible No With transformer 0 2 Number of command positions 2 Caccrismated positions 2 Coordination class according to IEC 69947-4-3 Class 1 Caccrismated positions Yes External reast possible Yes Yes With lass of protection (IP) Possible of protection (IP)	Release class		CLASS 10 A
Ral mounting possible No With transformer 4 AG Number of command positions 2 2 Subtable for emergency stop 6 AG Cordination class according to IEC 6987-4-3 Class I Number of indicater lights 6 Ves External reast possible 7 Yes With trase 6 P65 Degree of protection INEMAI 1 Yes Supporting protocol for PCPIP 7 No Supporting protocol for PROFIBUS 9 No Supporting protocol for PROFIBUS 9 No Supporting protocol for McMau 9 No No Supporting protocol for McMau 9 No No Supporting protocol for Deta-Highway 9 No No Supporting protocol for Deta-Highway 9 No No Supporting protocol for Deta-Highway 9 No No Supporting protocol for PolFNET EdA 9 No No Supporting protocol for FolPREET EdA <	Type of electrical connection of main circuit		Plug-in connection
With transformer Monitor command positions 2 Number of command positions 6 6 Suitable for emergency stop 6 0 Coordination class according to IEC 60947-4-3 6 0 Number of indicator lights 6 9 External reset possible 6 9 With fusas 6 9 Degree of protection (NEMA) 6 9 Supporting protection (TEMBUA) 6 9 Supporting protected for PRPIREUS 8 9 Supporting protected for FRERBUS 9 9 Supporting protected for INTERBUS 9 9 Supporting protected for INTERBUS 9 9 Supporting protected for Mathelightway 9 9 Supporting protected for Delat-Highway 9 9 Supporting protected for SUDONET 9 9 Supporting protected for SUDONET 9 9 Supporting protected for PRPIRIET CBA 9 9 Supporting protected for PRPIRIET CBA 9 9 <t< td=""><td>Type of electrical connection for auxiliary- and control current circuit</td><td></td><td>Plug-in connection</td></t<>	Type of electrical connection for auxiliary- and control current circuit		Plug-in connection
Number of command positions 2 2 Suitable for emergency stop 6 6 No Coordination class according to IEC 60947-4-3 6 Class 1 Number of indicator lights 9 Yes External reset possible 9 Yes With fuse 10 165 Degree of protection (IPP) 165 12 Supporting protocol for TCPAP 10 No Supporting protocol for CPAP No No Supporting protocol for AX No No Supporting protocol for Madbus 10 No Supporting protocol for Medbus 10 No Supporting protocol for Medbus 10 No Supporting protocol for Medbus 10 No Supporting protocol for DeviceMet 10 No Supporting protocol for DeviceMet 10 No Supporting protocol for DeviceMet 10 No Supporting protocol for PROFINET DA 10 No Supporting protocol for PROFINET EA 10 No	Rail mounting possible		No
Suitable for emergency stop 6 7 6 6 7 6 7 6 9 6 9 6 9<	With transformer		No
Coordination class according to IEC 68917-4-3 Class 1 Class 1 Number of indicator lights 9 9 External reset possible 9 12 With fuse 1965 1965 Degree of protection (NEMA) 12 12 Supporting protect for TCP/P No 10 Supporting protect for FROFIBUS No 10 Supporting protect for ACAN 9 No Supporting protect for NEREUS No 10 Supporting protect for ASI 9 No Supporting protect for Modus 9 No Supporting protect for DeviceNet No No Supporting protect for PROFINET IO No No Supporting protect for PROFINET GA No No Supporting protect for FROFINET GA No No Supporting protect for FuelenkelfP No No	Number of command positions		2
Number of indicator lights 6 1 96 External reset possible 75 75 With fuse 75 76 Degree of protection (NEMA) 125 125 Supporting protection (NEMA) 12 12 Supporting protection (NEMA) 12 10 Supporting protection for Medius 12 10 Supporting protection Pater-Highway 10 10 Supporting protection For	Suitable for emergency stop		No
External reset possible Image: 100 months of the possible of protection (IPM) Image: 100 months of protection (IPM) <td>Coordination class according to IEC 60947-4-3</td> <td></td> <td>Class 1</td>	Coordination class according to IEC 60947-4-3		Class 1
With fuse No Degree of protection (IP) IP65 Degree of protection (IRMA) 12 Supporting protectool for TCPIP No Supporting protectool for PROFIBUS No Supporting protectool for CAN No Supporting protectool for INTERBUS No Supporting protectool for Modibus No Supporting protectool for Data-Highway No Supporting protectool for DeviceNet No Supporting protectool for SUCONET No Supporting protectool for PROFINET IO No Supporting protectool for PROFINET GBA No Supporting protectool for PROFINET GBA No Supporting protectool for PROFINET GBA No Supporting protectool for FROREOS No Supporting protectool for EtherNet/IP No Supporting protectool for PROFIsates <td< td=""><td>Number of indicator lights</td><td></td><td>0</td></td<>	Number of indicator lights		0
Degree of protection (IP) IP65 Degree of protection (NEMA) 12 Supporting protecol for TCP/IP No Supporting protecol for PROFIBUS No Supporting protecol for CAN No Supporting protecol for INTERBUS No Supporting protecol for ASI Yes Supporting protecol for Modbus No Supporting protecol for Data-Highway No Supporting protecol for SUCONET No Supporting protecol for SUCONET No Supporting protecol for PROFINET IO No Supporting protecol for PROFINET GBA No Supporting protecol for PROFINET GBA No Supporting protecol for SERCOS No Supporting protecol for EthenNet/IP No Supporting protecol for EthenNet/IP No Supporting protecol for SERCOS No Supporting protecol for PROFINET GBA No Supporting protecol for Servett Safety at Work No Supporting protecol for PROFINET GBA No Supporting protecol for PROFINET GBA No Supporting protecol for Servett Safety at Work<	External reset possible		Yes
Degree of protection (NEMA) 12 Supporting protocol for TCP/IP No Supporting protocol for PROFIBUS No Supporting protocol for CAN No Supporting protocol for CAN No Supporting protocol for ASI No Supporting protocol for ASI No Supporting protocol for Madbus No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No Supporting protocol for LON No Supporting protocol for PROFINET ON No Supporting protocol for PROFINET GBA No Supporting protocol for PROFINET GBA No Supporting protocol for PROFINET GBA No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for DeviceNet Safety at Work No Supporting protocol for DeviceNet Safety at Work No Supporting protocol for PROFISafe No Supporting protocol for PROFISafe No Supporting p	With fuse		No
Supporting protocol for PROFIBUS No Supporting protocol for CAN No Supporting protocol for INTERBUS No Supporting protocol for INTERBUS No Supporting protocol for ASI Yes Supporting protocol for Modbus No Supporting protocol for Modbus No Supporting protocol for DeviceNet No Supporting protocol for DeviceNet No Supporting protocol for SUCONET No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Februard IP No Supporting protocol for EtherNet/IP No Supporting protocol for EtherNet/IP No Supporting protocol for DeviceNet Safety No Supporting protocol for PROFINETSafe No Supporting protocol for	Degree of protection (IP)		IP65
Supporting protocol for PROFIBUS No Supporting protocol for CAN No Supporting protocol for INTERBUS No Supporting protocol for ASI Yes Supporting protocol for Modbus No Supporting protocol for Data-Highway No Supporting protocol for Business No Supporting protocol for SUCONET No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET EBA No Supporting protocol for PROFINET GBA No Supporting protocol for PROFINET GBA No Supporting protocol for PROFINET GBA No Supporting protocol for Ebercos No Supporting protocol for PROFINET GBA No Supporting protocol for	Degree of protection (NEMA)		12
Supporting protocol for INTERBUS 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 SUCONET Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for POFINET IO Supporting protocol for POFINET IO Supporting protocol for POFINET CBA Supporting protocol for POFINET CBA Supporting protocol for Suddaton Fieldbus Supporting protocol for Sundation Fieldbus Supporting protocol for FOFINET CBA Supporting protocol for FOFINET CBA Supporting protocol for Sundation Fieldbus Supporting protocol for Sundation Fieldbus Supporting protocol for FOFINET CBA Supporting protocol for Salety Suffer Supporting Suffer Su	Supporting protocol for TCP/IP		No
Supporting protocol for INTERBUS No Supporting protocol for ASI Yes Supporting protocol for Modbus No Supporting protocol for Data-Highway No Supporting protocol for DeviceNet No Supporting protocol for SUCONET No Supporting protocol for PROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for SRCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for Execos No Supporting protocol for DeviceNet Safety No Supporting protocol for Protocol for EtherNet/IP No Supporting protocol for DeviceNet Safety No Supporting protocol for PROFIsafe No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No Supporting protocol for Other bus systems No Supporting protocol for Other bus systems No Width Image: No No <t< td=""><td>Supporting protocol for PROFIBUS</td><td></td><td>No</td></t<>	Supporting protocol for PROFIBUS		No
Supporting protocol for ASI 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 OBA Supporting protocol for PROFINET OBA Supporting protocol for SERCOS Supporting protocol for FROFINET OBA Supporting protocol for FROFINET OBA Supporting protocol for FROFINET OBA Supporting protocol for PROFINET SERCOS Supporting protocol for FROFINET OBA Supporting protocol for Fundation Fieldbus Supporting protocol for Fendation 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 INTERBUS-Safety Supporting protocol for SafetyBUS P Supporting protocol for SafetyBUS P Supporting protocol for Obericant Supporting protocol for SafetyBUS P Supporting protocol for SafetyBUS P Supporting protocol for Obericant Supporting Protocol for Obe	Supporting protocol for CAN		No
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 Fundation Fieldbus Supporting protocol for Fundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for DeviceNet Safety at Work Supporting protocol for DeviceNet Safety at Work Supporting protocol for PROFINET Safety Supporting protocol for PROFISAfe Supporting protocol for SafetyBUS P Supporting protocol for SafetyBUS P Supporting protocol for Other bus systems Width Height Height	Supporting protocol for INTERBUS		No
Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for SUCONET 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 Fundation Fieldbus Supporting protocol for Fundation Fieldbus 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 PROFISafe Supporting protocol for SufexBuS-Safety Supporting protocol for SafetyBuS p Supporting protocol for SafetyBuS p Supporting protocol for SafetyBuS p Supporting protocol for Other bus systems Width Image: Supporting protocol for Other Supporting protocol for SafetyBuS p Supporting protocol for Other bus systems Width Image: Supporting protocol for Other Supporting protocol for SafetyBuS p Supporting protocol for Other bus systems Width Image: Supporting protocol for Other bus systems Width Image: Supporting protocol for Other bus systems Image: Supporting protocol for Other bus systems Width Image: Supporting protocol for Other bus systems Image: Suppor	Supporting protocol for ASI		Yes
Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET BA Supporting protocol for FROFINET BA Supporting protocol for FROFINET BA Supporting protocol for Foundation Fieldbus Supporting protocol for Foundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for Baccos Supporting protocol for Baccos 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 SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for other bus systems Mm mm 220 Height	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 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 Supporting protocol for RROFIsafe Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for Oder Supporting Protocol for SafetyBUS p Supporting pr	Supporting protocol for Data-Highway		No
Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA 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 Supporting protocol for PROFIsafe Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for other bus systems Width mm 220 Height Mo Supporting protocol for SafetyBUS p Supporting protocol for Other SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for Other SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for Other	Supporting protocol for DeviceNet		No
Supporting protocol for PROFINET CBA 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 No Supporting protocol for PROFIsafe Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for Other bus systems Width Midth Mmm 220 Height No	Supporting protocol for SUCONET		No
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 INTERBUS-Safety Supporting protocol for PROFIsafe Supporting protocol for SafetyBUS p Supporting protocol for SafetyBUS p Supporting protocol for other bus systems Width Height No No No No No No No No No Supporting protocol for Other bus systems No No Supporting protocol for Other bus systems No No No No No No No No No N	Supporting protocol for LON		No
Supporting protocol for SERCOS Supporting protocol for Foundation Fieldbus 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 Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems No Width mm 220 Height	Supporting protocol for PROFINET IO		No
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 Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe Supporting protocol for SafetyBUS p Supporting protocol for other bus systems Width mm 220 Height 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 Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p Supporting protocol for other bus systems No Width mm 220 Height	Supporting protocol for SERCOS		No
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 SafetyBUS p Supporting protocol for other bus systems Width mm 220 Height 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 other bus systems No Width mm 220 Height No Supporting protocol for SafetyBUS p mm 270	Supporting protocol for EtherNet/IP		No
Supporting protocol for INTERBUS-Safety Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p Supporting protocol for other bus systems No Width mm 220 Height No To	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFIsafe Supporting protocol for SafetyBUS p No Supporting protocol for other bus systems No Width mm 220 Height 270	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p Supporting protocol for other bus systems No Width mm 220 Height 270	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems Width mm 220 Height 270	Supporting protocol for PROFIsafe		No
Width mm 220 Height 270	Supporting protocol for SafetyBUS p		No
Height mm 270	Supporting protocol for other bus systems		No
	Width	mm	220
Depth mm 120	Height	mm	270
	Depth	mm	120