DOL starter, 6.6 A, Sensor input 2, Actuator output 1, 400/480 V AC, AS-Interface \$ , S-7.4 for 31 modules, HAN Q5



Part no. RAM05-D214A31-5120S1 198528

Per no. RAMOS-1214A21-512051  EAN 41568154431 192051541  Product height 220 millimetre Product treight 220 millimetre Product treight 220 millimetre Product veright 220 millimetre Product Trodename 320 millimetre 320 millimetre Product Trodename 320 millimetre 320 millim		
Foots Legish Depth Product swight Product wight Product wight Product wight Product wight Product wight Product wight Product might Product wight Product might Product might Product might Product Traderame Prod	Product name	Eaton Moeller® series Rapid Link DOL starter
Product Leaght Upph Product Vehight Product Traderame Product Traderame Product Traderame Product Type Product Traderame Product Sub Type Product Sub Type Catalog Notes Product Sub Type Catalog Notes Product Sub Type Product S	Part no.	RAM05-D214A31-5120S1
Product height Product height Product width Product Prod	EAN	4015081964031
Product width Product weight 1.84 kilogram 1.86 kilogram Certifications Cond UL approval UL 09974-2- UL 1997-190 UL 09974-2- UL 1997-190 UL 09974-2- UL 1997-190 UL 09974-2- UL 1997-190 UL 0997-190 UL 0997-190 UL 0997-190 Rapid Unk Product Type Product Type None Catalog Motes Product Stype None Catalog Motes Product Stype Assigned moter rating for normal internally and externally ventilated 4 pole, phase asynchronous moters with 1500 rpm at 50 Hz or 1800 min at 60 Hz  Features Parameterization diversion diversion diversion diversion of whee to an wise A8-interface Parameterization diversion diversion diversion diversion of whee to an wise A8-interface Parameterization diversion	Product Length/Depth	120 millimetre
Product weight Certifications Certif	Product height	270 millimetre
Certifications  Certifications  Certifications  Certifications  Corc Duapervoid UL29974-2 (ECPC 90974-2 CEPC	Product width	220 millimetre
CCC   Lapsorval   Lispany   Lispan	Product weight	1.64 kilogram
Product Type Product Sub Type Catalog Notes	Certifications	CCC UL approval UL 60947-4-2 IEC/EN 60947-4-2
Product Sub Type Catalog Notes	Product Tradename	Rapid Link
Catalog Notes         Assigned motor rating: for normal internally and externally ventilated 4 pole, phase asynchronous motors with 1500 rpm at 50 Hz or 1800 min at 60 Hz           Features         Parameterization: drives Connect Diagnostics and resist on device and via AS-Interface Parameterization: fieldous Parameterization: fieldous Parameterization: fieldous Parameterization drives Connect mobile (App)           Fitted with:         Short-circuit release Thermo-click Key switch position AHAD Electronic motor protection Two sensor inputs through MIX sockets (max. 150 mA) for quick stop and interfaced manual operation. Two sensor inputs through MIX sockets (max. 150 mA) for quick stop and interfaced manual operation. The position AUTO Key switch position of MITO Key switch position of PERREST Thermistry monothering PIC To the position of PERREST Thermistry monothering PIC To the position of motors with mechanical brake External reset possible.           Class         CLASS 10 A           Degree of protection         NEMA 12 [PIS5]           Electromagnetic compatibility         Class A           Litespan, mechanical         10,000,000 Operations (at AC-3)           Model         Direct starter           Overload release current setting - min         0.3 A           Overload release current se	Product Type	DOL starter
Peatures  Peatures  Parameterization: drivesConnect Diagnostics and resist on device and vis AS-Interface Parameterization: Keypad Parameterization: Keypad Parameterization: Keypad Parameterization: May be parameterizatio	Product Sub Type	None
Parameterization: Kaypada Parameterization: Fieldblus Para	Catalog Notes	Assigned motor rating: for normal internally and externally ventilated 4 pole, through the phase asynchronous motors with 1500 rpm at 50 Hz or 1800 min at 60 Hz
Thermo-click Key switch position HAND Electronic motor protection invo sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation 1 Actuator output Key switch position AUTO Key switch position AUTO Key switch position AUTO Key switch position AUTO Key switch position OUTO MITO MITO MITO MITO MITO MITO MITO MI	Features	Diagnostics and reset on device and via AS-Interface Parameterization: Keypad Parameterization: Fieldbus
For actuation of motors with mechanical brake External reset possible  Class  CLASS 10 A  CLASS 10 A  Degree of protection  Degree of protection  Lifespan, electrical  Lifespan, electrical  Lifespan, mechanical  Model  Overload release current setting - min  Overload release current setting - max  Overload release current se	Fitted with:	Thermo-click Key switch position HAND Electronic motor protection Two sensor inputs through M12 sockets (max. 150 mA) for quick stop and interlocked manual operation 1 Actuator output Key switch position AUTO Key switch position OFF/RESET
Degree of protection    NEMA 12   1P65     Class A     Class Class     Cla	Functions	For actuation of motors with mechanical brake
Degree of protection    NEMA 12   1P65     Class A     Class Class     Cla		
Electromagnetic compatibility  Lifespan, electrical  Lifespan, mechanical  Model  Overload release current setting - min  Overvoltage category  Product category  Protocol  Rated impulse withstand voltage (Uimp)  System configuration type    P65     Class A     Class A     10,000,000 Operations (at AC-3)     10,000,00	Class	CLASS 10 A
Lifespan, electrical  Lifespan, mechanical  10,000,000 Operations (at AC-3)  10,000,000 Operations (at AC-3)  10,000,000 Operations (at AC-3)  Direct starter  Overload release current setting - min  Overload release current setting - max  III  Product category  Motor starter  AS-Interface profile cable: S-7.4 for 31 modules ASI  Rated impulse withstand voltage (Uimp)  System configuration type  AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Degree of protection	
Lifespan, mechanical  Model  Overload release current setting - min  Overload release current setting - max  Overload release current setting - min  Overload release	Electromagnetic compatibility	Class A
Model Overload release current setting - min Overload release current setting - max Overload release current setting - max Overvoltage category III Product category Motor starter Protocol AS-Interface profile cable: S-7.4 for 31 modules ASI Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Lifespan, electrical	10,000,000 Operations (at AC-3)
Model Overload release current setting - min Overload release current setting - max Overload release current setting - max Overvoltage category III Product category Motor starter Protocol AS-Interface profile cable: S-7.4 for 31 modules ASI Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Lifespan, mechanical	10,000,000 Operations (at AC-3)
Overload release current setting - min Overload release current setting - max Overvoltage category Overvoltage category III Product category Motor starter Protocol AS-Interface profile cable: S-7.4 for 31 modules ASI Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Model	
Overload release current setting - max  Overvoltage category  III  Product category  Motor starter  Protocol  AS-Interface profile cable: S-7.4 for 31 modules ASI  Rated impulse withstand voltage (Uimp)  System configuration type  AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Overload release current setting - min	
Overvoltage category Product category Motor starter AS-Interface profile cable: S-7.4 for 31 modules ASI Rated impulse withstand voltage (Uimp) AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Overload release current setting - max	
Product category  Motor starter  AS-Interface profile cable: S-7.4 for 31 modules ASI  Rated impulse withstand voltage (Uimp)  System configuration type  AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Overvoltage category	
Protocol  AS-Interface profile cable: S-7.4 for 31 modules ASI  Rated impulse withstand voltage (Uimp)  4000 V  System configuration type  AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	• • •	
System configuration type  AC voltage Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.		AS-Interface profile cable: S-7.4 for 31 modules
Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.	Rated impulse withstand voltage (Uimp)	4000 V
Type DOL starter	System configuration type	Center-point earthed star network (TN-S network) Phase-earthed AC supply systems are not permitted.
	Type	DOL starter

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: 57 Hz, Amplitude transition frequency on acceleration Resistance: 6 Hz, Amplitude 0.15 mm Resistance: According to IEC/EN 60068-2-6
Altitude	Above 1000 m with 1 % performance reduction per 100 m Max. 2000 m Max. 1000 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	Adjustable, motor, main circuit 0.3 - 6.6 A, 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 Control of the Control of t	20 - 35 ms
Output frequency	50/60 Hz
Overload cycle	AC-53a
Rated frequency - max	63 Hz
Rated frequency - min	47 Hz
Rated operational current (le)	6.6 A
Rated operational current (le) at 150% overload  Rated operational current (le) at AC-3, 380 V, 400 V, 415 V	6.6 A 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	≤ 0.6 A (max. 6 A for 120 ms), Actuator for external motor brake
Braking voltage	400/480 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)	400/480 V AC (external brake 50/60 Hz) 24 V DC (-15 %/+20 %, external via AS-Interface® plug)

Connection	Connections alumable in assure
Connection	Connections pluggable in power section
Interfaces	Number of slave addresses: 31 (AS-Interface®)  Max. total power consumption from AS-Interface® power supply unit (30 V): 190  mA  Specification: S-7.4 (AS-Interface®)
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	1
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])

Type of motor starter		Direct online starter (DOL)
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	Α	6.6
Rated operation current at AC-3, 400 V	А	6.6
Overload release current setting	Α	0.3 - 6.6
Rated conditional short-circuit current, type 1, 480 Y/277 V	А	65,000
Rated conditional short-circuit current, type 1, 600 Y/347 V	А	0
Rated conditional short-circuit current, type 2, 230 V	А	0
Rated conditional short-circuit current, type 2, 400 V	A	0

Number of auxiliary contracts as normally cleand contact			
Ambient temporature, upper operating limit Temporature compensated overload protection Relaese class Pype of electrical connection of main circuit Pype of electrical connection for auxiliary- and control current circuit Rall mounting passable No No Nounber of command positions Number of command positions Number of command positions Number of command positions Number of indicator lights Contratation class a cording to 150 00947+3 Number of indicator lights Degree of protection (NEMA) Number of indicator lights Number of indicator	Number of auxiliary contacts as normally open contact		1
Temperature compensated overlead protection         Yes           Richass class         CLASS 10 A           Type of electrical connection of main circuit         Plug-in connection           Type of electrical connection for auxiliary- and control current circuit         Plug-in connection           Rall mounting possible         No           With transformer         Na           Number of command positions         1           Suitable for emergency stop         Class 1           Coordination class a scending to IEC 0097-4-3         Na           With transformer         Na           External reset possible         Yes           With fuse         Na           Degree of protection play         1PES           Degree of protection (IP)         1PES           Degree of protection (IP)         1PES           Degree of protection (IP)         No           Supporting protect for CRAN         No           Supporting protect for the TERBUS         No           Supporting protect for Motellus         No           Supporting protect for Path-Highway         No	Number of auxiliary contacts as normally closed contact		0
Release class         CLASS 10 A           Type of electrical connection of man circuit         Plug in connection           Rail mounting possible         No           With Insurance of command positions         No           Number of command positions         No           Suitable for energency stop         No           Coordination class according to IEC 8087-4-3         O           Number of indictors lights         Yes           Eather all reset possible         Yes           With fuse         No           Degree of protection (IP)         IPPS           Use of protection (IP)         IPPS           Supporting protect for CAN         No           Supporting protect for Devise Mark         No	Ambient temperature, upper operating limit	°C	55
Type of electrical connection of main circuit         Plug in connection           Type of electrical connection for auxiliary- and control current circuit         No           With transformer         No           Number of command positions         1           Suitable for omergency stop         Coordination class according to IEC 8097-4-3         No           Coordination class according to IEC 8097-4-3         Ves           External reset possible         Ves           With Insect indictions (IPF)         PGS           Degree of protection (IPF)         PGS           Degree of protection (IPF)         No           Supporting protect for TCPIP         No           Supporting protect for TCPIP         No           Supporting protect for INTERBUS         No           Supporting protect for EMPLIFIED         No           Supporting protect for Supporting protect for BRIEFIED         No           Supporting protect for EMPLIFIED         No           Supporting protect for EMPLIFIED         No           Supporting protect for EMPLIFIED         No           Supporting protect for EMPLIFIED <td< td=""><td>Temperature compensated overload protection</td><td></td><td>Yes</td></td<>	Temperature compensated overload protection		Yes
Type of electrical connection for auxiliary- and control current circuit         Plug in connection           Riall mounting possible         No           With transformer         1           Nounting of command positions         1           Suitable for onergoncy stop         No           Coordination class according to IEC 60947-4-3         Class 1           Unitable of indicator lights         Yes           Ecternal reset possible         Yes           With fuse         No           Degree of protection (IP)         1P5           Degree of protection (IP)         1P6           Supporting protected for TCP/IP         No           Supporting protected for INTERBUS         No           Supporting protected for INTERBUS         No           Supporting protected for INTERBUS         No           Supporting protected for PROFINETS         No           Supporting protected for PROFINET OBA         No           Supporting protected for PROFINET OBA<	Release class		CLASS 10 A
Rail mounting possible         No           With transformer         No           Number of command positions         1           Stubble for energe groncy stop         Cost st           Coordination class according to IEG 80947-4-3         Class I           Number of Indicator lights         0           External reset possible         Yes           With fluse         No           Degree of protection (IP)         IPPS           Use protection (IPAMA)         12           Supporting protected for TCP/IP         No           Supporting protection of PROPEIBUS         No           Supporting protected for PROPEIBUS         No           Supporting protected for Medius         No           Supporting protected for Medius         No           Supporting protected for Medius         No           Supporting protected for December         No           Supporting protected for PROPENET IO         No           Supporting protected for PROPENET IO         No           Supporting protected for PROPENET IO         No           Supporting protected fo	Type of electrical connection of main circuit		Plug-in connection
With transformer         No           Number of command positions         1           Suitable for emergency stop         Cleas           Cordination class according to IEC 8947-4-3         Cleas           Number of indicators lights         0           External reset possible         Yes           Wiffin face         No           Degree of protection (IP)         1P55           Degree of protection (NEMA)         12           Supporting protocol for TCPIIP         No           Supporting protocol for TCRIBUS         No           Supporting protocol for INTERBUS         No           Supporting protocol for INTERBUS         No           Supporting protocol for MAH         Yes           Supporting protocol for INTERBUS         No           Supporting protocol for INTERBUS         No           Supporting protocol for Data-Highway         No           Supporting protocol for PROFINET IQ         No           Supporting	Type of electrical connection for auxiliary- and control current circuit		Plug-in connection
Number of command positions         1           Suitable for emergency stop         6         No           Coordination class according to IEC 60947-4-3         Class 1           Number of indicator lights         9         10           External reset possible         Yes           With fuse         No         108           Degree of protection IPI         108         12           Degree of protection INEMA)         12         12           Supporting protected for TCPIP         No         No           Supporting protected for PROFIBUS         No         No           Supporting protected for ACN         No         No           Supporting protected for ACN         No         No           Supporting protected for Data-Highway         No         No           Supporting protected for Data-Highway         No         No           Supporting protected for SUCONET         No         No           Supporting protected for SUCONET         No         No           Supporting protected for FOFINET ID         No         No           Supporting protected for FOFINET GBA         No         No           Supporting protected for FOFINET GBA         No         No           Supporting protected for FOFINET GBA	Rail mounting possible		No
Suitable for emergency stop         No           Coordination class according to IEE 60947+3         Class 1           Number of indicator lights         Ves           External reset possible         Ves           With fuse         No           Degree of protection (IP)         IPE5           Degree of protection (NEMA)         12           Supporting protect for TCP/IP         No           Supporting protect for TCP/IP         No           Supporting protect for FROFIBUS         No           Supporting protect for CAN         No           Supporting protect for FROFIBUS         No           Supporting protect for Death Highway         No           Supporting protect for Death Highway         No           Supporting protect for Death Highway         No           Supporting protect for DeviceNet         No           Supporting protect for DeviceNet         No           Supporting protect for PROFINET CBA         No           Supporting protect for PROFINET CBA         No           Supporting protect for PROFINET CBA         No           Supporting protect for Fendation Fieldbus         No           Supporting protect for Fendation Fieldbus         No           Supporting protect for EtherNet/PE         No      <	With transformer		No
Coordination class according to IEC 60947-4-3         Class 1           Number of indicator lights         0           External reset possible         Yes           With Luse         No           Degree of protection (IP)         1P65           Degree of protection (INEMA)         12           Supporting protectool for ECPIP         No           Supporting protectool for PROFIBUS         No           Supporting protectool for EAN         No           Supporting protectool for MRERBUS         No           Supporting protectool for Mathew         No           Supporting protectool for Mathew         No           Supporting protectool for Mothus         No           Supporting protectool for Data-Highway         No           Supporting protectool for Data-Highway         No           Supporting protectool for DeviceNet         No           Supporting protectool for DeviceNet         No           Supporting protectool for PROFINET IO         No           Supporting protectool for PROFINET GBA         No           Supporting protectool for FRORHET GBA	Number of command positions		1
Number of indicator lights         0           External reset possible         Yes           With fuse         No           Degree of protaction (IP)         IPB6           Degree of protaction (NEMA)         12           Supporting protocol for TCP/IP         No           Supporting protocol for PROFIBUS         No           Supporting protocol for CAN         No           Supporting protocol for INTERBUS         No           Supporting protocol for Medbus         No           Supporting protocol for Data-Highway         No           Supporting protocol for Deta-Highway         No           Supporting protocol for Deta-Highway         No           Supporting protocol for Deta-Highway         No           Supporting protocol for PROFINET IO         No           Supporting protocol for PROFINET OB         No           Supporting protocol for PROFINET CBA         No           Supporting protocol for SEGOS         No           Supporting protocol for EtherNevIP         No           Supporting protocol for EtherNevIP         No           Supporting protocol for EtherNevIP         No           Supporting protocol for INTERBUS-Safety         No           Supporting protocol for INTERBUS-Safety         No	Suitable for emergency stop		No
External reset possible  With fuse  Degree of protection (IP)  Degree of protection (IRMA)  Supporting protocol for TCP/IP  Supporting protocol for PROFIBUS  Supporting protocol for CAN  Supporting protocol for CAN  Supporting protocol for ASI  Supporting protocol for ASI  Supporting protocol for Data-Highway  Supporting protocol for Data-Highway  Supporting protocol for BUCNET  Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET ECA  Supporting protocol for FROFINET ECA  Supporting protocol for Ecan Ecan Ecan Ecan Ecan Ecan Ecan Ecan	Coordination class according to IEC 60947-4-3		Class 1
With fuse Degree of protection (IP) Degree of protection (IPP) Degree of protection (IVBMA) Supporting protecol for TCP/IP Supporting protecol for TCP/IP Supporting protecol for PROFIBUS Supporting protecol for CAN Supporting protecol for CAN Supporting protecol for INTERBUS Supporting protecol for INTERBUS Supporting protecol for Madbus Supporting protecol for Madbus Supporting protecol for Data-Highway Supporting protecol for Data-Highway Supporting protecol for DeviceNet Supporting protecol for SUCONET Supporting protecol for SUCONET Supporting protecol for SUCONET Supporting protecol for SUCONET Supporting protecol for PROFINET IO Supporting protecol for FROFINET OS Supporting protecol for Osler DeviceNet Safety Supporting protecol for Safety OS Supporting protecol for Osler DeviceNet Safety Supporting protecol for Osler DeviceNet Safety Supporting protecol for Osler DeviceNet	Number of indicator lights		0
Degree of protection (IP)         IP65           Degree of protection (NEMA)         12           Supporting protector TCP/IP         No           Supporting protector for TCP/IP         No           Supporting protector for PROFIBUS         No           Supporting protector for CAN         No           Supporting protector for INTERBUS         No           Supporting protector for Modeus         No           Supporting protector for Modeus         No           Supporting protect for Data-Highway         No           Supporting protect for DeviceNet         No           Supporting protect for SUCONET         No           Supporting protector for FNOFINET CBA         No           Supporting protector for PROFINET CBA         No           Supporting protector for SERCOS         No           Supporting protector for Foundation Fieldbus         No           Supporting protector for EtherNevIP         No           Supporting protector for Foundation Fieldbus         No           Supporting protector for INTERBUS-Safety         No           Supporting protector for Foundation Fieldbus         No           Supporting protector for For Serces Safety at Work         No           Supporting protector for FORFISERS         No           Supporti	External reset possible		Yes
Degree of protection (NEMA)  Supporting protocol for TCP/IP  Supporting protocol for PROFIBUS  Supporting protocol for PROFIBUS  Supporting protocol for INTERBUS  Supporting protocol for INTERBUS  Supporting protocol for INTERBUS  Supporting protocol for ASI  Supporting protocol for Modeus  Supporting protocol for Modeus  Supporting protocol for Data-Highway  Supporting protocol for Data-Highway  Supporting protocol for DeviceNet  Supporting protocol for DeviceNet  Supporting protocol for PROFINET CON  Supporting protocol for FROFINET CON  Supporting protocol for SaletyNeUS  Supporting protocol for FROFINET CON  Supporting protocol	With fuse		No
Supporting protocol for PROFIBUS  Supporting protocol for PROFIBUS  Supporting protocol for INTERBUS  Supporting protocol for INTERBUS  Supporting protocol for SI  Supporting protocol for ASI  Supporting protocol for Data-Highway  Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for FROFINET CBA  Supporting protocol for Foundation Fieldbus  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for PROFINET OF DeviceNet Safety  Supporting protocol for PROFINES-Safety  Supporting protocol for PROFINES-Safety  Supporting protocol for SafetyBUS P  Supporting protocol for Oder SafetyBUS P  Supporting protocol for Saf	Degree of protection (IP)		IP65
Supporting protocol for PROFIBUS  Supporting protocol for CAN  Supporting protocol for INTERBUS  Supporting protocol for ASI  Supporting protocol for Data-Highway  Supporting protocol for Data-Highway  Supporting protocol for Success  Supporting protocol for PROFINET ID  Supporting protocol for PROFINET CBA  Supporting protocol for SECOS  Supporting protocol for EtherNevIP  Supporting protocol for EtherNevIP  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for DeviceNet Safety  Supporting protocol for DeviceNet Safety  Supporting protocol for Success  Supporting protocol for Success	Degree of protection (NEMA)		12
Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for Modbus Supporting protocol for Modbus Supporting protocol for Data-Highway Supporting protocol for Deata-Highway Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for ROFINIET IO Supporting protocol for PROFINIET IO Supporting protocol for PROFINIET US Supporting protocol for FROFINIET US Supporting protocol for Safety Supporting Protocol for PROFINIET US Supporting protoco	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 SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET OBA  Supporting protocol for PROFINET OBA  Supporting protocol for SERCOS  Supporting protocol for Sundation Fieldbus  Supporting protocol for EtherNet/IP  Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for PROFINET OBA  Supporting protocol for DeviceNet Safety  Supporting protocol for SafetyBUS P  Supporting protocol for SafetyBUS P  Supporting protocol for For PROFINET OBA  Supporting protocol for DeviceNet Safety  Supporting protocol for SafetyBUS P  Supporting protocol for other bus systems  Width  Imm  Midth  Imm  Midth  Imm  Jan  Jan  Jan  Jan  Jan  Jan  Jan  J	Supporting protocol for PROFIBUS		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 Fundation Fieldbus         No           Supporting protocol for Fundation Fieldbus         No           Supporting protocol for EtherNet/IP         No           Supporting protocol for Ederation Fieldbus         No           Supporting protocol for Exerces         No           Supporting protocol for Exerces         No           Supporting protocol for Exerces         No           Supporting protocol for PowiceNet Safety at Work         No           Supporting protocol for INTERBUS-Safety         No           Supporting protocol for PROFIsafe         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for other bus systems         No           Width         No           Height         Imm         20           No         No<	Supporting protocol for CAN		No
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 ROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for PROFINET CBA Supporting protocol for SERCOS Supporting protocol for SERCOS Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for Selety Supporting pro	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 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 Fundation 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 Other bus systems  Width  mm 220  Height  Mo  Supporting protocol for DeviceNet Safety  mm 270	Supporting protocol for ASI		Yes
Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for LON Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for PROFINET CBA 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 Other bus systems Width Height  No  No  No  No  No  No  No  No  No  N	Supporting protocol for Modbus		No
Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET ON  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 SafetyBUS p  Supporting protocol for SafetyBUS p  Supporting protocol for Other bus systems  Width  Meight  Mo  Supporting protocol for Other bus systems  No  Width  Mmm  Mmm  Mmm  Mmm  Mmm  Mmm  Mmm  M	Supporting protocol for Data-Highway		No
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 AS-Interface Safety at Work Supporting protocol for INTERBUS-Safety Supporting protocol for PROFISafe Supporting protocol for PROFISafe Supporting protocol for SafetyBUS P Supporting protocol for SafetyBUS P Supporting protocol for Other bus systems Width  mm 20 Height Mo 270	Supporting protocol for DeviceNet		No
Supporting protocol for PR0FINET CBA Supporting protocol for PR0FINET 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 at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PR0FIsafe No 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 Mm 270	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 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  Width  mm  220  Height	Supporting protocol for LON		No
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  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	Supporting protocol for PROFINET IO		No
Supporting protocol for Foundation Fieldbus  Supporting protocol for EtherNet/IP  No Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet 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 other bus systems  No Width  mm 220  Height	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 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 Mmm 220 Height	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 other bus systems No 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 EtherNet/IP		No
Supporting protocol for INTERBUS-Safety  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 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 The systems mm 270	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p No 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  Meight  No  220  mm  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