

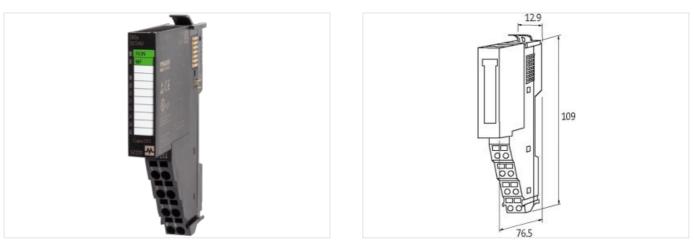
## **CUBE20S COUNTER MODULE**

1 x 32 Bit bis 400Khz+1DO

Counter module 1 × 32 Bit max. 400 kHz

## Link to Product

## Illustration



Product may differ from Image



Commercial data	
ECLASS-6.0	27242605
ECLASS-7.0	27242605
ECLASS-8.0	27242605
ECLASS-9.0	27242605
ETIM-5.0	EC001601
customs tariff number	90291000
GTIN	4048879422932
Packaging unit	1
Electrical data	
Number of counters	1
Counter width	32 Bits
Counter frequency max.	400 kHz
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	20,4 V
Operating voltage DC max.	28,8 V
Current consumption max.	75 mA
Diagnostics	
Diagnostic	Under voltage
Diagnostic via BUS	per module

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-15

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Short cruid disposes yes   LED display Ethernet connection/tata traffic   Overload disposis yes   Device protection   Electical Image of protection (EN IEC 60528)   Mechanical data Ilouniting data Mechanical data Ilouniting data   Mechanical data Ilouniting data Image of protection (EN IEC 60528)   Mechanical data Ilouniting data Image of protection (EN IEC 60528)   Mechanical data Ilouniting data Image of protection (EN IEC 60528)   Mechanical data Ilouniting data Image of protection (EN IEC 60528)   Mechanical data Ilouniting data Image of Protection (EN IEC 60528)   Beapting temperature max 10 0 m m   Depariting temperature max. 0 °C   Operating temperature max. 0 °C   Storage temperature max. 0 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection type 3 Power   Connection type 4 Power   Connection type 4 Power   Connection type 4 Power   Connection type 4 Power	Diagnostic via LED	per module
Overfaad diagnosis yes   Device protection   Electrical   Degree of protection (Electrical   Degree of protection (Electrical   Mounting method geschnappt   Suitable for mounting stag (Electrical (Electrical)   Mounting method geschnappt   Suitable for mounting stag (Electrical)   Midith 12.9 mm   Deptin 76.5 mm   Environmental characteristics   Climatic 0 °C   Operating temperature min. 0 °C   Operating temperature min. 0 °C   Operating temperature min. 25 °C   Storage temperature max. 70 °C   Connection type 2 Power   Connection type 2 Power   Connection type 2 Power   Connection form tarminal   Gender termale   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC   PIN 5 n.c.   PIN 6 24 V DC	Short circuit diagnosis	yes
Device protection (ENEC 60529) IP20   Mechanical data [Mounting data] geschnappt   Suitable for mounting type mounting ratal, (EN 60715)   Haight 109 mm   Width 12,9 mm   Deprint 76,5 mm   Environmental characteristics [Climatic 0° C   Operating temperature min. 60 °C   Storage temperature min. 60 °C   Storage temperature min. 25 °C   Storage temperature max. 70 °C   Connection type 2 Power   Connection type 2 Power   Connection type 2 Power   Connection type 3 Power   Connection type 4 emale   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0.V   PIN 4 24 V DC   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 N.c.   PIN 8 0.V   PIN 7 N.c.   PIN 8 0.V	LED display	Ethernet connection/data traffic
Degree of protection (EN IEC 80529)IP20Mounting methodgeschnapptMounting methodgeschnapptSuitable for mounting typemounting rail. (EN 60715)Height109 mmWidth12.9 mmDopth76.5 mmEnvironmental characteristics (ClimaticOperating temperature min.0 °C0Storage temperature max.60 °CStorage temperature max.70 °CConcellon type 2Connection type 1PowerConnection type 1PowerConnection type 1PowerConnection type 1PowerConnection type 1RoPinal colspan="2">Connection type 1Porting damp terminal FKFearly construction formterminalGenderIemaiteNo. of poles8Pin 1n.c.Pin 224 V DCPin 30 VPin 424 V DCPin 5n.c.Pin 70 VPin 70 VPin 80 V SysConnection formterminalGenderIemaiteNo. of poles8Pin 424 V DCPin 5n.c.Pin 69 V SysConnection formterminalGenderIemaitePin 60 V SysPin 70 VPin 80 V SysConnection formterminalGenderIemaitePin 4A <t< td=""><td>Overload diagnosis</td><td>yes</td></t<>	Overload diagnosis	yes
Mechanical data   Mounting nethodgeschnapptSuitable for mounting typemounting rail. (EN 60715)Height109 mmWidth12.9 mmDepth7.65 mmEnvironmental characteristics   Climatic0 °COperating temperature min.0 °COperating temperature max.60 °CStorage temperature max.70 °CConnection type 1PowerConnection type 2PowerConnection type 2PowerConnection type 1ReminalStorage temperature max.8Pinnin.c.Family construction formterminalFamily construction formsering at many sering clama terminalRenderterminalPinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinni<	Device protection   Electrical	
Mechanical data   Mounting nethodgeschnapptSuitable for mounting typemounting rail. (EN 60715)Height109 mmWidth12.9 mmDepth7.65 mmEnvironmental characteristics   Climatic0 °COperating temperature min.0 °COperating temperature max.60 °CStorage temperature max.70 °CConnection type 1PowerConnection type 2PowerConnection type 2PowerConnection type 1ReminalStorage temperature max.8Pinnin.c.Family construction formterminalFamily construction formsering at many sering clama terminalRenderterminalPinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinnin.c.Pinni<	Degree of protection (EN IEC 60529)	IP20
Mounting method geschnappt   Suitable for mounting type mounting rail, (EN 60715)   Height 109 mm   With 12.9 mm   Depth 76.5 mm   Environmental characteristics [ Climatic    Operating temperature min. 0 °C   Operating temperature min. 25 °C   Storage temperature max. 60 °C   Connection type 2 Come   Connection type 1 Power   Connection type 1 Power   Connection type 1 Power   Connection form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 O V   PIN 4 24 V DC   PIN 5 n.c.   PIN 6 Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN		
Suitable for mounting type mounting rail. (EN 60715)   Height 109 mm   Width 12,9 mm   Depth 76,5 mm   Environmental characteristics   Climatic O   Operating temperature min. 0 °C   Operating temperature max. 60 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection type 2 Power   Connection type 2 Power   Connection type 3 Power   Connection type 4 Power   Connection type 5 Power   Connection type 4 Power   Connection type 5 Power   Connection form terminal   Gender termale   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 4 24 V DC   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys <td< td=""><td></td><td>geschnanot</td></td<>		geschnanot
Height 109 mm   Width 129 mm   Depth 76,5 mm   Environmental characteristics   Climatic   Operating temperature min. 0 °C   Operating temperature max. 60 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection form Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection form terminal   Gender female   No. of poles 8   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8		
Widh 12,9 mm   Depth 76,5 mm   Environmental characteristics   Climatic 0 °C   Operating temperature min. 0 °C   Operating temperature min. -25 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection torm terminal   Gender female   No. of poles 8   PIN 6 24 V DC   PIN 7		
Depth 76,5 mm   Environmental characteristics   Climatic   Operating temperature min. 0 °C   Operating temperature min. 0 °C   Storage temperature max. 60 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection type 2 Power   Connection type 1 terminal   Gender terminal   Gender terminal   Golds 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 O V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC Sys   PIN 7 0 V   PIN 8 O V Sys   Connection form terminals FK   Family construction form terminals   Gender female   No. of poles 8   PIN 7 0 V   PIN 8 O V Sys   Connection form <thterminals< th=""></thterminals<>		
Environmental characteristics   Climatic   Operating temperature min. 0 °C   Storage temperature min. -25 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 4 24 V DC   PIN 5 n.c.   PIN 6 24 V DC Sys   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal		
Operating temperature min. 0 °C   Operating temperature max. 60 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection type 2 Power   Connection type 1 Power   Connection type 2 Power   Connection type 3 Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 7 0 V   PIN 8 0 V Sys   Connection form terminals FK   Family construction form terminal   Gender female   No. 0 V PIN 6   PIN 7 0 V   PIN 8 0 V Sys   Connection form terminals FK   Family construction form terminal   Gen		7,5 mm
Operating temperature max. 60 °C   Storage temperature min. -25 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection on Spring clamp terminals FK   Family construction form terminal   Gender terminal   Gender terminal   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring damp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring damp terminals FK   Family construction form terminal   Gender		
Storage temperature min. -25 °C   Storage temperature max. 70 °C   Connection type 1 Power   Connection type 2 Power   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender 42 V DC Sys   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender terminal   Gender terminal   PIN 2 24 V DC   PIN 1 A		
Storage temperature max. 70 °C   Connection type 2 Power   Connection Spring clamp terminals FK Family construction form   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender terminal   Gender terminal   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B		
Connection type 1Connection type 1PowerConnection type 2PowerConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1n.c.PIN 224 V DCPIN 30 VPIN 424 V DC SysPIN 5n.c.PIN 624 V DCPIN 70 VPIN 80 V SysConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 5n.c.PIN 624 V DCPIN 70 VPIN 80 V SysConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 5BPIN 6OutPIN 7R		
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Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B	Connection type 2	
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Family construction form terminal   Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	Connection type 2	Power
Gender female   No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	Connection	Spring clamp terminals FK
No. of poles 8   PIN 1 n.c.   PIN 2 24 V DC   PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	Family construction form	terminal
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PIN 3 0 V   PIN 4 24 V DC Sys   PIN 5 n.c.   PIN 6 24 V DC   PIN 7 0 V   PIN 8 0 V Sys   Connection Spring clamp terminals FK   Family construction form terminal   Gender female   No. of poles 8   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out	PIN 1	n.c.
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PIN 624 V DCPIN 70 VPIN 80 V SysConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 6OutPIN 7R	PIN 4	24 V DC Sys
PIN 70 VPIN 80 V SysConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 7R	PIN 5	n.c.
PIN 80 V SysConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 6OutPIN 7R	PIN 6	24 V DC
ConnectionSpring clamp terminals FKFamily construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 6OutPIN 7R	PIN 7	0 V
Family construction formterminalGenderfemaleNo. of poles8PIN 1APIN 224 V DCPIN 30 VPIN 4LPIN 5BPIN 6OutPIN 7R	PIN 8	0 V Sys
Gender female   No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	Connection	Spring clamp terminals FK
No. of poles 8   PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	Family construction form	terminal
PIN 1 A   PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R		female
PIN 2 24 V DC   PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	No. of poles	8
PIN 3 0 V   PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	PIN 1	A
PIN 4 L   PIN 5 B   PIN 6 Out   PIN 7 R	PIN 2	24 V DC
PIN 5 B   PIN 6 Out   PIN 7 R	PIN 3	0 V
PIN 6 Out   PIN 7 R	PIN 4	L
PIN 7 R	PIN 5	В
	PIN 6	Out

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