

## I/O expansion, 24 V DC, 1DI, 2AI-(Pt100/V/mA), 2DO-Trans, 1AO, easyLink

Powering Business Worldwide™

Part no. **EASY406-DC-ME** Article no. 114295

110	11/02	/ DYO	gram
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Product range	Control relays easyRelay Multi-function-display MFD-Titan
Product range	Remote I/O systems Compact PLCs
Subrange	I/O expansions analog
Basic function	Expansions
Description	Can be used through easyLink
Function	Expansions EASY
Accessories	I/O expansions, analog
Inputs	
Inputs expansion (number)	digital: 1; analog: 2 (0-10V:2 or 0-20mA:2 or Pt100:2)
Analog	2
Outputs	
Туре	Transistor Analog
Transistor	2
Supply voltage	24 V DC

Technical data			
General			
Dimensions (W x H x D)		mm	71.5 x 90 x 58 (4 PE)
Weight		kg	0.2
Climatic environmental conditions			
Operating ambient temperature		°C	-25 to + 55 cold as per IEC 60068-2-1 heat as per IEC 60068-2-2
Condensation			Take appropriate measures to prevent condensation
Storage	θ	°C	-40 - +70
relative humidity		%	5 - 95
Air pressure (operation)		hPa	795 - 1080
Ambient conditions, mechanical			
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations (IEC/EN 60068-2-6)		Hz	
Constant amplitude 0.15 mm		Hz	10 - 57
Constant acceleration 2 g		Hz	57 - 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	18
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1
Mounting position			Vertical or horizontal
Electromagnetic compatibility (EMC)			
Overvoltage category/pollution degree			11/2
Electrostatic discharge (ESD)			
applied standard			IEC EN 61000-4-2, Level 3
Air discharge		kV	8
Contact discharge		kV	6
Burst		kV	according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2
power pulses (Surge)			2 kV (supply cables, symmetrical, EASYAC) 0.5 kV (supply cables, symmetrical, easy-DC) according to IEC/EN 61000-4-5
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10

### **Insulation resistance**

Imaulation ceitabane	Insulation resistance			
Rent proteination uniques         U <sub>s</sub> V         26 L- 28 JV CC           Perntastable range         U <sub>s</sub> 1.2 M- 28 JV CC         24 J- 28 JV CC         1.2 M- 28 JV CC         2.2 M- 28 JV CC				EN 50178
Permissibilit range   U				
Man and up   Amount of the part of the	Rated operational voltage	U <sub>e</sub>	V	24 DC (-15/+20%)
Maret discispation	Permissible range	U <sub>e</sub>		20.4 - 28.8 V DC
Analog injunts         2           Permial isolition         2           Input type         0           Resolution         0           Resolution         0           Input type         0           Resolution         0           Input type darker         0           Resolution         1           Accuracy of extual value         2           Power 6ASY devices         3           Power factor         8           William a single device         3           Colvin length         8           Imput current         8           Colvin length         8           Imput current         8           Colvin length         8           Imput current         9           Assign current         1           Sample output         1           Summar         1 <t< td=""><td>Input current</td><td></td><td></td><td></td></t<>	Input current			
Number         Petersial indicition         Image: Control interfree/interpresent on the control interpresent on the control i	Heat dissipation	Р		1 W
Petential isolation         Feature (a) (a) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Analog inputs			
Import type	Number			2
Resultation         0 - 10 VD Cor 0 - 28 mA or PY100 (+50+280PC)           Resultation         10 Bit (value 0 - 10223)           (Popul importance)         0 - 10 VD         12 Continue of 10223 (1022)           Accuracy of actual value	Potential isolation			to interface/memory card: no
Resolution         No. 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Input type			DC voltage
Input impedance         IND	Signal range			0 - 10 V DC or 0 - 20 mA or Pt100 (-50+200°C)
Accuracy of actual value	Resolution			10 Bit (value 0 - 1023)
Two EASY fervices         %         a 3           Within a single device         %         x 2.3 %           Conversion line, analog/figital         m         20           Input current         mA         1           Cable length         mA         1           Analog outputs         mA         1           Potential isolation         m         20         100 pc. creaned           Output type         m         000 pc. creaned         1           Signal range         Max. cutput current         M         000 pc. creaned           Max. cutput current         M         000 pc. creaned <tr< td=""><td>Input impedance</td><td></td><td>kΩ</td><td>11.2</td></tr<>	Input impedance		kΩ	11.2
Within a single device         %         < 3 %           Convention time, analogifigital  <	Accuracy of actual value			
Section time, analog/digital	Two EASY devices		%	± 3
Section time, analog/digital	Within a single device		%	< ± 3 %
Imput current   Imput curr				
Analog outputs         In a conjunity was presented as posterior in stoation         In a conjunity was presented as posterior in stoation         In a conjunity was presented as posterior in stoation         In a conjunity was presented as posterior in stoation         In a conjunity was presented as posterior in a conjunity was presen				
Analog outputs         Number         1           Potential isolation         to easy Link: yes           Output type         C voltage           Signal range         0-10 V DC           Max. output current         M OI         A OII           Load resistance         I M         Yes           Overload and short-circuit protection         Ves         Yes           Resolution         OII V analog         DIB Ri (value 0 - 1023) digital           Accuracy         Ves         1           25°C - 55°C         To Table T	•			
Number         Number         Interest to the second point is solution         In				= 10, screened
Potential isolation         ceasyLink: yes           Output type         Covoltage           Signal range         coll V DC           Max. output current         A         0.10 V DC           Load resistance         1 MΩ         1 MΩ           Overload and short-circuit protection         yes         1 MΩ           Resolution         Ves         0.01 V analog 10 Bit (value 0 - 1023) digital           Accuracy         10 Bit (value 0 - 1023) digital         1 Bit (value 0 - 1023) digital           Accuracy         yes         1           25°C         %         1           Conversion time, analog/digital         ms         20           Transistor outputs         yes         2           Number         yes         2           Rated operational voltage         yes         2           Residual ripple         yes         yes           Supply current         yes         5           Supply current         yes         yes           Potential isolation         yes         yes           Potential isolation         yes         1           Rated operational current at signal 1° DCp er channel         yes         1           Residual current on 0 signal per channel				
Output type       DC voltage         Signal range       0-10 V DC         Max. output current       4       A       0-10 V DC         Load resistance       4       Coll Calculation       10 Coll Calculation         Resolution       4       Yes         Resolution       0-01 V analog 10 Bit (value 0 - 1022) digital         Accuracy       7       10 Bit (value 0 - 1022) digital         Accuracy       8       2         25°C       5°       3       1         Conversion time, analog/digital       ms       20         Tomsistor outputs       2       2         Number       2       2         Residual ripple       VDC       24         Supply current       9       VDC       24         Protection against polarity reversal       %       5         Protection against polarity reversal       %       10/22 at signal 1         Protection against polarity reversal       Ws       9         Potential isolation       W       9         Residual current at signal 1° DC per channel       W       5         Residual current on O signal per channel       W       5         Residual current on O signal per channel       W				
Signal range         Image of the content of the				
Max. output current         A         0.01           Load resistance         1 kΩ           Overload and short-circuit protection         2 kg         Yes           Resolution         0.01 V analog 10 Bit (value 0 - 1023) digital           Accuracy         10 Bit (value 0 - 1023) digital           -25 °C - 55 °C         %         1           25 °C - 55 °C         %         1           Conversion time, analog/digital         ms         20           Transistor outputs         2         2           Number         2         24           Read operational voltage         Ue         VDC         24           Residual ripple         %         5           Supply current         MA         Norm/max 24V/2A at signal 0           12/22 at signal 1         Yes         Yes           Potential isolation         yes (Caution - A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)           Potential isolation                   A         1           Residual current on 0 signal per channel                   A         1           Alamp load without R, per channel                   A         1           Max. output voltage         Yes, thermal				DC voltage
Load resistance         1 kΩ           Overload and short-circuit protection         Yes           Resolution         0.01 V analog 10 Bit (value 0 - 1023) digital           Accuracy         10 Bit (value 0 - 1023) digital           -25 °C - 55 °C         %         1           Conversion time, analog/digital         ms         200           Transistor outputs           Number         2         2           Rated operational voltage         U <sub>0</sub> V DC         24           Permissible range         U <sub>0</sub> V DC         24           Residual ripple         %         5 Total signal 1         5 Total signal 1           Supply current         mA         Nom./max. 24V/ZA at signal 0         1 yes (Caution - A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)           Potential isolation         yes (Caution - A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)           Rated operational current at signal 1" DC per channel         M         1           Lamp load without R, per channel         M         5           Residual current on 0 signal per channel         M         <0.1	Signal range			0-10 V DC
Overload and short-circuit protection         Resolution       0.01 V analog 10 Bit (value 0 - 1023) digital         Accuracy - 25 °C - 55 °C 25°C	Max. output current		Α	0.01
Resolution  Accuracy  -25 °C - 55 °C  25 °C  % 1  Conversion time, analog/digital  ms 200  Transistor outputs  Number  Rated operational voltage  Vermissible range  Residual ripple  Supply current  Protection against polarity reversal  Petential isolation  Rated operational current at signal _1" DC per channel  Rated operational current on 0 signal per channel  Rated operational current on 0 signal per channel  Max. output voltage  Nort-circuit tripping current for Ru = 10 m0  Short-circuit tripping current for Ru = 10 m0  Total short-circuit current  Nort-circuit current	Load resistance			1 kΩ
Accuracy -25 °C -55 °C 25°C % 1 Conversion time, analog/digital 7 Transistor outputs  Number 8 Rated operational voltage U <sub>e</sub> VDC 24  Permissible range U <sub>e</sub> 20.4 - 28.8 VDC  Residual ripple % 5 Supply current	Overload and short-circuit protection			Yes
25°C - 55°C 25°C 25°C 25°C 25°C 25°C 25°C 25°C	Resolution			
25°C Conversion time, analog/digital  Transistor outputs  Number  Rated operational voltage  Ue VDC  Residual ripple  Supply current  Protection against polarity reversal  Petential isolation  Rated operational current at signal "1" DC per channel  Lamp load without R <sub>ν</sub> per channel  Max. output voltage  Num. output voltage  V U Supply current  V Signal 0 at external load < 10 MΩ)  V U Signal 1 at l <sub>e</sub> = 0.5 A)  Short-circuit tripping current for R <sub>B</sub> ≤ 10 mΩ  Total short-circuit tripping current for R <sub>B</sub> ≤ 10 mΩ  Total short-circuit current  Number  2  2  2  2  2  2  4  Norm./max. 24V/2A at signal 0  12/22 at signal 1  yes (Caution: A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)  to the memory card: yes  A 1  2  4  1.4 ≤ 1 <sub>e</sub> ≤ 4  Total short-circuit tripping current for R <sub>B</sub> ≤ 10 mΩ  A 1.4 ≤ 1 <sub>e</sub> ≤ 4  Total short-circuit current	Accuracy			
25°C Conversion time, analog/digital  Transistor outputs  Number Rated operational voltage  Ue VDC Residual ripple  Supply current  Protection against polarity reversal  Potential isolation  Rated operational current at signal "1" DC per channel  Lamp load without R <sub>s</sub> per channel  Max. output voltage  Nax. output voltage  Ve VDC  1 2  2 2  2 4  2 0.4 - 28.8 V DC  MA Norm/max. 24V/2A at signal 0 12//22 at signal 1  yes (Caution: A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)  to the memory card: yes  Rated operational current at signal "1" DC per channel  Max. output voltage  V Signal 0 at external load < 10 MΩ) U = U <sub>e</sub> - 1 V (signal 1 at l <sub>e</sub> = 0.5 A)  Yes, thermal (evaluation through diagnostics input R16)  Short-circuit tripping current for R <sub>a</sub> ≤ 10 mΩ  Total short-circuit current  A 8	-25 °C - 55 °C		%	2
Conversion time, analog/digital       ms       200         Transistor outputs       V       C         Number       2       2         Rated operational voltage       Ue       V DC       24         Permissible range       Ue       20.4 - 28.8 V DC         Residual ripple       %       5         Supply current       mA       Norm./max. 24V/2A at signal 0 1/2/22 at signal 1         Protection against polarity reversal       yes (Caution: A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)         Potential isolation       to the memory card: yes         Rated operational current at signal "1" DC per channel       W       5         Lamp load without R <sub>v</sub> per channel       W       5         Residual current on 0 signal per channel       mA       < 0.1			%	1
Transistor outputs  Number Rated operational voltage Ue VDC 24  Permissible range Ue VDC Residual ripple Supply current  Max. output voltage Rated operational current for Ra = 10 m0 Short-circuit tripping current for Ra = 10 m0 Total short-circuit current  Ve Rated operational voltage VDC	Conversion time, analog/digital		ms	200
Number       2         Rated operational voltage       Ue       VDC       24         Permissible range       Ue       20.4 - 28.8 V DC         Residual ripple       %       5         Supply current       MA       Norm./max. 24V/2A at signal 0 1/2/2Z at signal 1 1/2/2Z at signal 1         Protection against polarity reversal       yes (Caution: A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)         Potential isolation       to the memory card: yes         Rated operational current at signal "1" DC per channel       W       5         Lamp load without R <sub>v</sub> per channel       W       5         Residual current on 0 signal per channel       MA       < 0.1				
Permissible range				2
Permissible range	Rated operational voltage	U <sub>e</sub>	V DC	24
Residual ripple Supply current  MA Norm./max. 24V/2A at signal 0 12/22 at signal 1  Protection against polarity reversal  Potential isolation Rated operational current at signal "1" DC per channel Lamp load without R <sub>v</sub> per channel  Residual current on 0 signal per channel  Max. output voltage  Short-circuit protection  Short-circuit tripping current for R <sub>a</sub> = 10 m0  Total short-circuit current  Max. output voltage  Short-circuit current  Max. output voltage  A Norm./max. 24V/2A at signal 0 12/22 at signal 1 12/2 at signal 1 12/22 at signal 1 12	Permissible range			20.4 - 28.8 V DC
Supply current  Supply current  Protection against polarity reversal  Potential isolation  Rated operational current at signal "1" DC per channel  Lamp load without $R_V$ per channel  Residual current on 0 signal per channel  Max. output voltage  Short-circuit protection  Short-circuit tripping current for $R_a \le 10 \text{ m}\Omega$ Total short-circuit current  Total short-circuit current  MA Norm./max. 24V/2A at signal 0 12/22 at signal 1 2 yes (Caution: A short circuit will result if 0 V or earth is applied to the output event that the supply voltage is connected to the wrong poles.)  to the memory card: yes  1 1  1 2  2 5  3 1  4 1  1 2  2 5  3 1  4 1  4 1  4 1  4 8  1 1  1 4 $\le I_e \le 4$ Total short-circuit current  A 8		C	%	5
Protection against polarity reversal				
Potential isolation  Rated operational current at signal "1" DC per channel  Lamp load without R <sub>v</sub> per channel  Residual current on 0 signal per channel  Max. output voltage  V  2.5 (signal 0 at external load < 10 M $\Omega$ )  U = U <sub>e</sub> - 1 V (signal 1 at I <sub>e</sub> = 0.5 A)  Yes, thermal (evaluation through diagnostics input R16)  Short-circuit tripping current for R <sub>a</sub> = 10 m $\Omega$ Total short-circuit current  A  8			IIIA	12/22 at signal 1
Rated operational current at signal "1" DC per channel $I_{e} \qquad A \qquad 1$ Lamp load without $R_{v}$ per channel $W \qquad 5$ Residual current on 0 signal per channel $W \qquad 5$ MAx. output voltage $V \qquad 2.5 \text{ (signal 0 at external load < 10 M\Omega)} \\ U = U_{e} - 1 \text{ V (signal 1 at } I_{e} = 0.5 \text{ A)}$ Short-circuit protection $V \qquad Yes, \text{ thermal (evaluation through diagnostics input R16)}$ Total short-circuit current $V \qquad A \qquad 1.4 \stackrel{\checkmark}{=} I_{e} \stackrel{\checkmark}{=} 4$ Total short-circuit current $V \qquad A \qquad A \qquad B$				event that the supply voltage is connected to the wrong poles.)
Lamp load without $R_v$ per channelW5Residual current on 0 signal per channelmA< 0.1				to the memory card: yes
Residual current on 0 signal per channel	Rated operational current at signal "1" DC per channel	I <sub>e</sub>	Α	1
Max. output voltage $ V \qquad 2.5 \ (signal \ 0 \ at \ external \ load < 10 \ M\Omega) \\ U = U_e - 1 \ V \ (signal \ 1 \ at \ I_e = 0.5 \ A) $ Short-circuit protection $ Yes, \ thermal \ (evaluation \ through \ diagnostics \ input \ R16) $ Short-circuit tripping current for $R_a \stackrel{\leq}{=} 10 \ m\Omega$ $ A \qquad 1.4 \stackrel{\leq}{=} I_e \stackrel{\leq}{=} 4 $ Total short-circuit current $ A \qquad 8 $	Lamp load without R <sub>v</sub> per channel		W	5
$U = U_e - 1 \text{ V (signal 1 at I}_e = 0.5 \text{ A)}$ Short-circuit protection $Yes, \text{ thermal (evaluation through diagnostics input R16)}$ $A \qquad 1.4 \stackrel{\leq}{=} I_e \stackrel{\leq}{=} 4$ Total short-circuit current $A \qquad 8$	Residual current on 0 signal per channel		mA	< 0.1
Short-circuit tripping current for $R_a \stackrel{\leq}{=} 10 \text{ m}\Omega$ A $1.4 \stackrel{\leq}{=} I_e \stackrel{\leq}{=} 4$ Total short-circuit current A 8	Max. output voltage		V	
Short-circuit tripping current for $R_a = 10 \text{ m}\Omega$ 1.4 — $I_e = 4$ Total short-circuit current A 8	Short-circuit protection			Yes, thermal (evaluation through diagnostics input R16)
	Short-circuit tripping current for $R_a$ $\stackrel{\textstyle \textstyle \stackrel{\textstyle <}{=}}{=}$ 10 $m\Omega$		А	<sub>1.4</sub> ≦ <sub>Ie</sub> ≦ <sub>4</sub>
Peak short-circuit current A 16	Total short-circuit current		Α	8
	Peak short-circuit current		Α	16
Thermal cutout Yes	Thermal cutout			Yes
Max. operating frequency with constant resistive load Operation \$0000	Max. operating frequency with constant resistive load		Operatio	n <b>s</b> (0000
h h				

Parallel connection of outputs			
With resistive load, inductive load with external suppressor circuit, combination within a group			Q1 and Q2
Number of outputs	max.		2
Max. total current		Α	2 (Caution! Outputs must be actuated simultaneously and for the same length of time.)
Output status indication			LCD display (if provided)
Supply voltage U <sub>Aux</sub>			
Protection against polarity reversal			yes (Caution: A short circuit will result if 0 V or earth is applied to the outputs in the

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	1
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Technical data ETIM 6.0

Toomiou data Etim olo				
PLC's (EG000024) / Logic module (EC001417)				
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / Logic module (ecl@ss8.1-27-24-22-16 [AKE539011])				
Supply voltage AC 50 Hz	V	0 - 0		
Supply voltage AC 60 Hz	V	0 - 0		
Supply voltage DC	V	20.4 - 28.8		
Voltage type of supply voltage		DC		
Switching current	Α	0.5		
Number of analogue inputs		2		

Number of analogue outputs	1
Number of digital inputs	1
Number of digital outputs	3
With relay output	No
Number of HW-interfaces industrial Ethernet	0
Number of HW-interfaces PROFINET	0
Number of HW-interfaces RS-232	0
Number of HW-interfaces RS-422	0
Number of HW-interfaces RS-485	0
Number of HW-interfaces serial TTY	0
Number of HW-interfaces USB	0
Number of HW-interfaces parallel	0
Number of HW-interfaces Wireless	0
Number of HW-interfaces other	1
With optical interface	No
Supporting protocol for TCP/IP	No
Supporting protocol for PROFIBUS	No
Supporting protocol for CAN	No
Supporting protocol for INTERBUS	No
Supporting protocol for ASI	No
Supporting protocol for KNX	No
Supporting protocol for MODBUS	No
Supporting protocol for Data-Highway	No
Supporting protocol for DeviceNet	No
Supporting protocol for SUCONET	No
Supporting protocol for LON	No
Supporting protocol for PROFINET IO	No
Supporting protocol for PROFINET CBA	No
Supporting protocol for SERCOS	No
Supporting protocol for Foundation Fieldbus	No
Supporting protocol for EtherNet/IP	No
Supporting protocol for AS-Interface Safety at Work	No
Supporting protocol for DeviceNet Safety	No
Supporting protocol for INTERBUS-Safety	No
Supporting protocol for PROFIsafe	No
Supporting protocol for SafetyBUS p	No
Supporting protocol for other bus systems	No
Radio standard Bluetooth	No
Radio standard WLAN 802.11	No
Radio standard GPRS	No
Radio standard GSM	No
Radio standard UMTS	No
IO link master	No
Redundancy	No
With display	No
Degree of protection (IP)	IP20
Basic device	No
Expandable	No
Expansion device	Yes
With timer	No
Rail mounting possible	Yes
Wall mounting/direct mounting	Yes
Front build in possible	No
Rack-assembly possible	No
Suitable for safety functions	No

Category according to EN 954-1		
SIL according to IEC 61508		None
Performance level acc. to EN ISO 13849-1		None
Appendant operation agent (Ex ia)		No
Appendant operation agent (Ex ib)		No
Explosion safety category for gas		None
Explosion safety category for dust		None
Width	mm	71.5
Height	mm	90
Depth	mm	58

# Approvals

Product Standards	IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking
UL File No.	E135462
UL Category Control No.	NRAQ, NRAQ7
CSA File No.	165628
CSA Class No.	2252-01 + 2258-02
North America Certification	Request filed for UL and CSA
Degree of Protection	IEC: IP20, UL/CSA Type: -



