Electric Actuator

Series REact30DC-PoP

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Appendix/

1 Technical specifications

Type / type / type			REact30DC-PoP			
operating force			2,8 kN			
closing force			3,0 kN			
stroke			max. 40 mm			
speed	***low type***	mm/s	0,2	0,28	0,42	0,84
speed	***high type***	mm/s	0,6	0,74	1,12	2,24
speed	***Fail Safe***	mm/s	low / high 1,1 / 3,1			
rated power			max.41W			
motor voltage			24 Vdc			
power supply			24Vdc / **optional** 100-240Vac 50-60 Hz			
Isolation class			B			
motor rating standard			S1– 100%			
force switches			2, directly wired			
limit switches /			2, directly wired			
additional limit switches/			250 V / rating 4 A			
protection rating			IP 65, DIN VDE 0470 / NEMA 4X			
ambient temperature			-20°C...55°C*			
mounting position			any, except upside down			
gear lubricant			Divinol Fett F 14 EP, NLGI Klasse / grade / classe 0			
cable glands			4 x M 20			
weight			5 kg			

Optional accessories

Type / type / type			
potentiometer		Max. 2	1k, 2k 5k Ohm
position indicator	**REtrans4W**, 3-wire **REtrans2W**, 2-wire	output	(0)4...20 mA (0)2..10 V 4...20 mA 2..10 V
REpos digital positioner with display	REpos	Input Output	(0)4..20mA,(0)2..10V (0)4..20mA,(0)2 10V
REpos with Profibus DP			
REpos with CAN-Open			
heater	12-36 V – 3W/6W, 110-230V - 3 W / 6 W		
power pack (NG2450)	Input : 100-240V 50-60Hz Output:24VDC		
NRTL-Certification	see separate documentation REact 30-8010 NRTL		
Sea air resistant variant			

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Digitaler Stellungsregler
Digital positioner
Positionneur digital

*RE*pos-7330

Baureihe
Series
Série

- *RE*pos

Digital positioner for electric actuators
series: *RE*act

- 128*64 dots graphic display
- menu guided configuration
- input (0)4..20mA / (0)2..10V
- control output: solid state relay
- automatic adaptation
- manual adaption
- service / diagnostic function

optional:

- feedback module(0)4..20mA
  galvanic isolated
- fieldbus: Profibus DP , CAN- open

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Technical data

Display:	128*64 dots graphic display
Control signal:	0(4)..20mA Ri ca. 10Ω 0(2)..10V Ri ca. 100kΩ
Control output:	solid state relay (SSR) max.250V/ 50/60 Hz 3,5A
Feedback-potentiometer	1KΩ conductive plastic or angel sensor
Supply:	115/230V 50/60 Hz 24V 50/60 Hz 24V DC
Power input:	3VA
elect. connection :	plug connector for -signal: AWG 26-16 -power: AWG 24-12
Ambient temp.:	-20°C ...+70°C
optional:	
Feedback signal:	0(4)...20mA max. 500Ω galvanic isolated
fieldbus:	Profibus, CAN-open

Function

-Microcontroller based positioner
Series *REpos*.

-Auto initialisation function for easy adaption
to the actuator/valve.

-Open/close and manual/automatic keys
for local operation.

-Input signals 0(4)-20mA/ 0(2)-10V

-Feedback signal 0(4)-20mA/ 0(2)-10V
signal galvanic isolated
invertible to the input signal

-Split range function free scalable

-Setpoint function
free adjustable-> 20 setpoint turning points

- Dead band 0.5..5%

-Safety position open/closed by loss of signal or
signal fault(< 3.5mA / <1.5V)
-> (not available at 0-20mA or 0-10V input)

- Close tight function 0.5..5%
to tightly close the valve

-optional fieldbus module“ on board”
Profibus DP
CAN-open

- service function
Temperature “ on board”
operation hours counter
total operation command counter
stroke depended operation command counter

Technische Änderung vorbehalten / technical changes reserved/ modifications techniques sous réserve

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Netzgerät für REact 30/60/100 -DC
Power pack for REact 30/60/100 -DC
Transformateur secteur pour REact 30/60/100-DC

2450-7010

Baureihen
Series
Séries

- NG 2450

NG 2450

Getaktetes AC/DC Netzgerät (50W)

- Weitbereichseingang 90 - 264 VAC
- Anschluss an 127 - 370 VDC
- Ausgang kurzschlusssicher / Überspannungsschutz
- Einstellbare Ausgangsspannung
- Erfüllt Normen: IEC/EN60950 EN50178, UL/cUL60950
- Int. Netzteil ausschließlich für REact 30/60/100 -DC

Switching power supply unit AC/DC (50W)

- Wide input range 90 - 264 VAC
- Supply from 127 to 370 VDC
- Output short-circuit-proof / Over voltage protection
- Adjustable output voltage
- Full fill norms: IEC/EN60950, EN50178, UL/cUL60950
- Int. Power supply exclusive for REact 30/60/100 -DC

Transformateur AC/DC (50W)

- Plage entrée 90 - 264 VAC
- Sortie de 127 à 370 VDC
- Sortie protégée contre les courts circuits et survoltages
- Tension de sortie variable
- Normes : IEC/EN60950, EN50178, UL/cUL60950
- Transformateur secteur interne exclusive pour REact 30/60/100 -DC

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Netzgerät für REact 30/60/100 -DC
Power pack for REact 30/60/100 -DC
Transformateur secteur

2450-7020

Technische Daten / Technical data/ Caracteristiques techniques

Type	NG 2450
Eingangsspannungsbereich: Input voltage Plage de tension d'entrée	90 - 264 VAC
Einschaltstromstoß (Kaltstart) bei 115/230 VAC Inrush current (cold start) with 115/230 V AC Intensité d'entrée (Demmarrage a froid) avec 115/230 V AC	Max. 1,5A
Frequenz Frequency Fréquence	47- 63 Hz
Ausgang Output Sortie	24V DC, 2,2 A kurzschlußfest short-circuit-proof protégée contre les courts-circuits
Lastregelung	Ja
Abmessungen (B x H x T) Dimension sheet Encombrement	35 x 82 x 99 mm
Sicherheit Protectio Sécurité	Normen: IEC/EN 60950, UL 60950-1, En 50178
Wirkungsgrad (bei Volllast) Efficiency factor Rendement charge	87 %
Isolation Eingang Ausgang Isolation Input Output Isolation entrée sortie	3000 VAC
Anschlussklemmen Supply Terminal Borne d'alimenation	1,5 mm^2
Schutzart Protection type Type de protection	IP 10 IEC 60529
Luftfeuchtigkeit Working Humidity Hygrometrie ambiante	0-90 %
Betriebstemperatur Working temperature Température d'utilisation	-10 => 60 °C
Temperature derating above 50°C	1,5%/K
Gewicht / Weight / Poids	260 g

Elektrischer Anschluss / Electrical connection / Connexions

Eingang : Klemme 1-3 / Input : Clips 1-3 / Entrée : borne 1-3	Pin 1 = L (90-264V AC) Pin 2 = N Pin 3 = PE
Eingangsspannungsbereich: Input voltage Plage de tension d'entré	90 - 264 VAC
Einschaltstromstoß (Kaltstart) bei 115/230 VAC Inrush current (cold start) with 115/230 V AC Intensité d'entrée (Demmarrage a froid) avec 115/230 V AC	Max. 1,5A
Frequenz Frequency Fréquence	47 – 63 Hz
Ausgang : Klemme 4-5 / Output :Clips 4-5 / Sortie :Borne4-5	Pin 4 = GND Pin 5 = +24V
Ausgangsspannung Output voltage Tension de sortie	24 VDC
Ausgangsstrom (Kurzschlusssicher) Output current (Short circuit-proof) Intensité de sortie (Protèagèe contre les courts-circuits)	2,2 A

Abbildung 1: Abmessungen

Technische Änderung vorbehalten / Subject to technical alteration / Sous réserve de modifications techniques

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