DZ3532-N17-IC1

Smart Telescopic Slide with Self-Learning Opening - FULLELECTRIC®

Specifications

- **IP Classification:** IP20
- **Slide Accuracy:** 0.5 mm
- **Max. Operating Speed:** 100 mm/s with a load of 40 kg
- **Slide Cycles:** 80,000 without maintenance possible with reduced load (consult manufacturer)
- **Lubricant:** High low temperature grease
- **Load Rating:** up to 40 kg per slide
- **Slide Extension:** Up to 100 %
- **Slide Thickness:** 23.4 mm
- **Slide Height:** 35.3 mm
- **Temperature Range:** -20 °C to 50 °C
- **Permitted Mounting Orientations:** vertical mount, flat mount
- **Side Space For Installation Between The Cabinet And The Drawer:** Rail thickness 23.4 mm +0.2 mm to +0.5 mm
- **Unit Of Measure:** Slides sold singly

Eigenschaften

- **IP-Klasse:** IP20
- **Schienengenauigkeit:** 0,5: mm
- **Max. Betriebsgeschwindigkeit:** 100 mm/s bei einer Last von 40 Kg
- **Schienenzyklen:** 80.000 wartungsfrei bei reduzierter Belastung möglich (bitte Hersteller konsultieren)
- **Schmierstoff:** Hoch- und Tieftemperaturfett
- **Lastwert:** bis 40 Kg pro Schiene
- **Auszug der Schiene:** 100 %
- **Schienendicke:** 23,4 mm
- **Schienenhöhe:** 35,3 mm
- **Temperaturbereich:** -20 °C bis 50 °C
- **Mögliche Montageweise:** vertikal montiert, flach verbaut
- **Einbaubreite Zwischen Korpus Und Schub:** Schienendicke 23,4 mm +0,2 mm bis +0,5 mm
- **Maßeinheit:** Schienen werden einzeln verkauft

Features

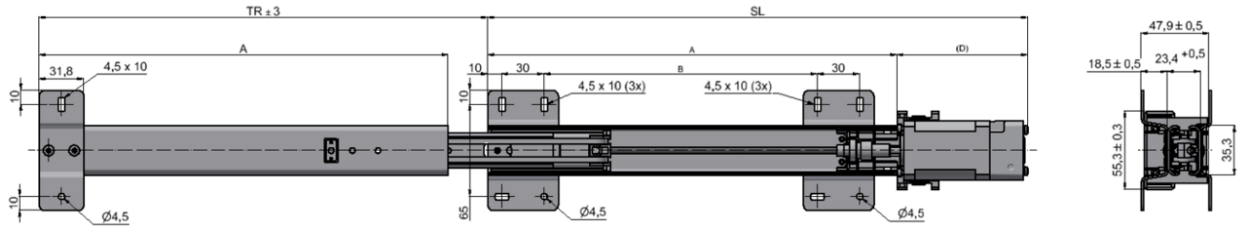
- **Stepper motor Nema17 with controller:**
  - touch to open/close
  - push button operation
  - electronic soft open/close
  - electronic collision detection
  - compact design
  - easy installation
  - modular design
- FULLELECTRIC slide used as an actuator with existing undermount slides

Funktionen

- **Schrittmotor Nema17 mit Steuerung:**
  - Touch to open/close
  - Bedienung per Druckknopf
  - Elektronisches Ausfahren/Einfahren
  - Elektronische Kollisionserkennung
  - Kompaktes Design
  - Einfache Installation
  - Modulares Design
- FULLELECTRIC Schiene wird als Antrieb mit existierenden Untermontage-Schienen verwendet

Technical Drawing

Technische Zeichnung



DZ3532-N17-IC1

DZ3532-N17-IC1	mm					kg	
	SL	TR	A	B	D	W	L1
DZ3532-N17-IC1-0032	391.3	318	290	193.6	101.3	1.23	40
DZ3532-N17-IC1-0040	431.3	398	330	233.6	101.3	1.32	40
DZ3532-N17-IC1-0050	491.3	498	390	293.6	101.3	1.46	40
DZ3532-N17-IC1-0055	541.3	558	440	343.6	101.3	1.57	40

L1: 80,000 cycles, 420 mm wide drawer, vertical mount

L1: 80.000 Zyklen, 420 mm breite Schublade, vertikal montiert

Additional Information

Material and Surface

- **Main Material:** Mild steel
- **Ball Material:** Hardened steel
- **Retainer Material:** polymer
- **Finish:** DZ - bright zinc finish - 12 h salt spray test

Fixing

- M4 screw

Notes

- This product is a partly completed machine according to Directive 2006/42/EC and must not be put into service until it has been incorporated into a final machine
- See instruction manual and motor datasheet for further details
- ROHS conform

Weitere Informationen

Material und Oberfläche

- **Hauptmaterial:** Unlegierter Stahl
- **Kugelmaterial:** Gehärteter Stahl
- **Kugelkäfigmaterial:** Polymer
- **Oberflächenbeschichtung:** DZ - Verzinkt, hell passiviert - 12 h Salzsprühnebeltest

Befestigung

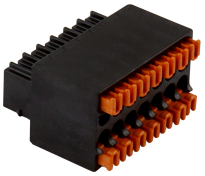
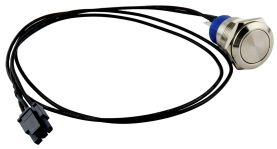
- M4-Schraube

Hinweise

- Dieses Produkt ist eine unvollständige Maschine gemäß Richtlinie 2006/42/EG und darf erst nach Integration in eine vollständige Maschine in Betrieb genommen werden
- Weitere Einzelheiten in der Bedienungsanleitung und dem Motoren-Datenblatt
- ROHS konform

Recommended Accessories

Empfohlenes Zubehör

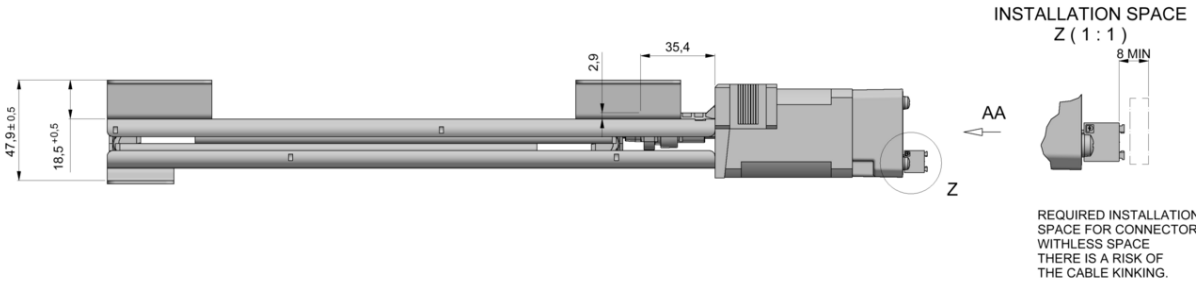
50003290		**Controller Connector N17**	**Steuerungsstecker (Controller Connector) N17**
50002090		**Controller Plug & Play Single Slide Kit**	**Controller Plug-and-Play-Schienen-Set für einzelne Schienen**
50002791		**Controller Development Kit**	**Programmierschnittstelle (Controller Development Kit)**
50003690		**Connector Extension Cable**	**Verlängerungskabel für Stecker**
50004190		**Controller Cable Push Button**	**Drucktasterkabel (Controller Cable Push Button)**

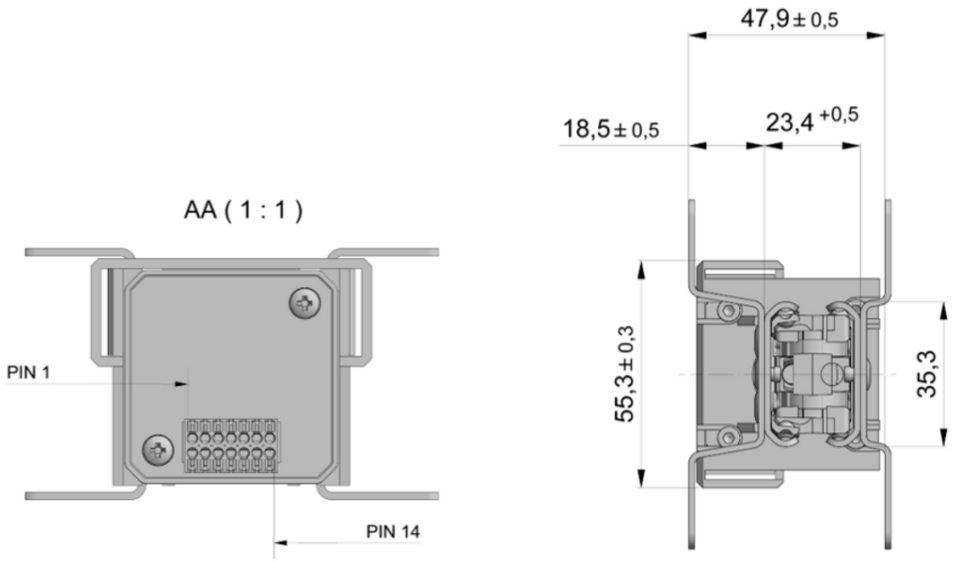
Technical Information

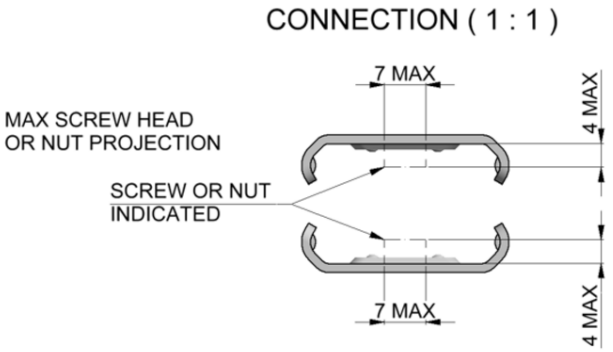
Technische Informationen

Technical Documents

Technische Dokumente







Motor	
Motor Type	Stepper motor NEMA17
Connection motor	Bipolar
Power Supply Motor [V]	24
AMPS/Phase [A]	2.0
Resistance / Phase [Ohms] @25°C	3.2 +/-10%
Inductance / Phase [mH] @ 1kHz	6.4 +/- 20%
Holding Torque [Ncm]	72
Load Speed max. [mm/s] @24V	100
Step Angle [°]	1.8
Step Accuracy	+/-5.00%
Rotation speed [rpm] @100 mm/s	295.3
IP Classification	IP20
Controller	
Type	Stepper motor drive for bipolar motors with integrated magnetic position encoder
Software	Closed loop operation Fully controllable over a terminal. Protocol is open and free to use. Flexible configuration and programming via a C-coder and a visual drag and drop user interface
Interfaces	4 digital inputs / with adjustable thresholds 2 digital outputs / configurable logic (PNP NPN) 1 analog input (0...10V) 1x RS232
Drive Technology	
Type	Lead Screw
Lead Screw [mm]	10.16 --> 295.3 rpm
Lead Screw diameter [mm]	4.76

Connection terminals J1

Pin	Description	Nominal	Absolute max	Comment
1	GND	-	-	Reference
2	Vmot	12 / 24 / 36 VDC	45V	Supply motor drive
3	RTSin / Boot	0	-15V/+30V	Update control input
4	AIn	0..10V	30V	Analog input
5	R_x	±5V	±15V	RS232
6	T_x	±5V	±15V	RS232
7	Out2 [3]	GND..Vin Imax : 10mA	Vin	- Short-circuit-proof - Capacitive load max. 100nF - Overload detection @ 15mA
8	Out1 [3]			
9	DIn4 [4]	3.3V/ 5V / 12V / 24V	30V	Thresholds defined in firmware
10	DIn3 [4]		30V	
11	DIn2 [4]		30V	
12	DIn1 [4]		30V	
13	GND	-	-	Reference
14	Vin	12 / 24 VDC	30V	Supply of PCB logic, also PCB output

Connection terminals J4

Pin	Description	Comment
1	A-	Motor phase A+
2	A+	Motor phase A-
3	B+	Motor phase B+
4	B-	Motor phase B-

Software Configuration of Input Thresholds

Setting	V_{IH} (High level input voltage)	V_{IL} (Low level input voltage)
SPS_24V	>15.0	<5.0
SPS_12V	>7.5	<2.5
TTL_5V	>2.7	<1.5
TTL_3V3	>2.0	<1.0

Software Configuration of Outputs

Setting	V_{OH} (High level output voltage)	V_{OL} (Low level output voltage)
Push (PNP)	Vin – 0.5V @ 10mA	HiZ [5]
Pull (NPN)	HiZ [5]	GND + 0.5V @ 10mA
Push Pull	Vin – 0.5V @ 10mA	GND + 0.5V @ 10mA