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Contact Details

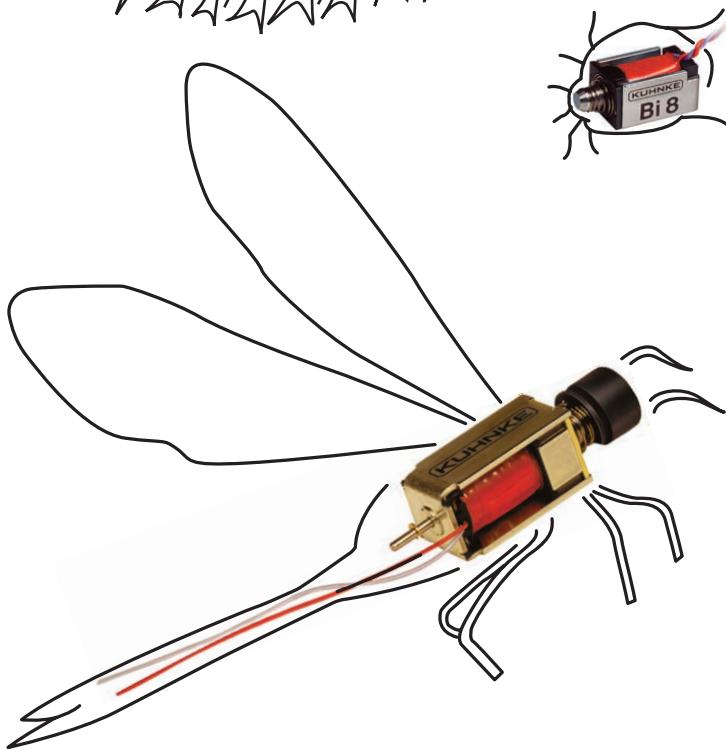
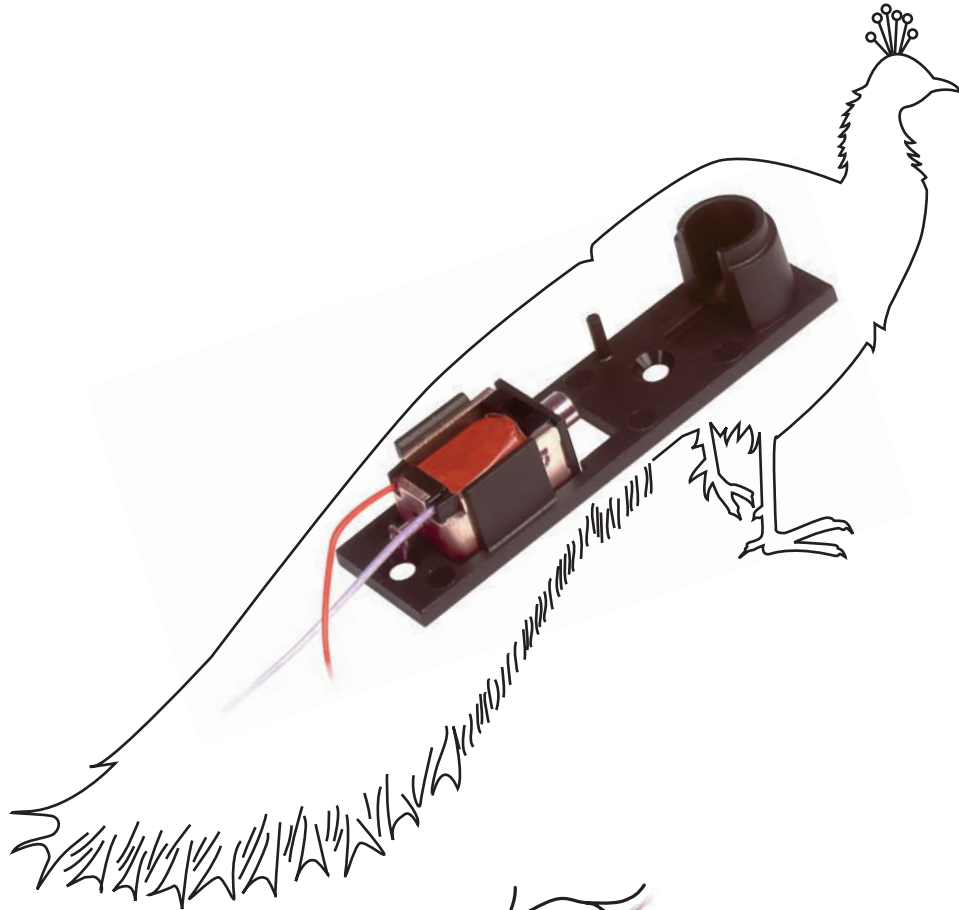
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Important Note

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Bistable Solenoids



Bistabiler Hubmagnet BI 8

Bistable Linear Solenoid BI 8

Stoßende und ziehende Ausführung

Thrust and pull type

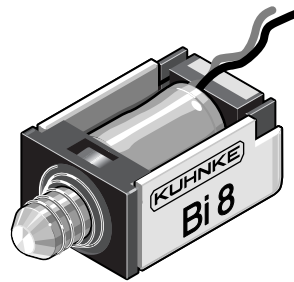
Bestellformel	BI	8	- F -	24 V DC	20 % ED	Order specifications
Hubmagnet	BI					Linear solenoid
Bauart		8				Design type
Anschlußart						Coil terminals
Litze (Standardlänge 10 cm)			F			Flying leads (10 cm standard length)
Lötpins (Rastermaß)			L			Soldering pins (grid dimensions)
Nennspannung (Standardspannung) ¹⁾				24		Nominal voltage (standard voltage) ¹⁾
Zulässige relative Einschaltdauer bei Luftkühlung (LK)					20 % ED	Perm. duty cycle under air cooled conditions (LK)

¹⁾ Die Magnete sind auf Anfrage bis 30 V DC lieferbar

¹⁾ Other voltages are available on request up to 30 V DC

Gewicht:
Magnet: ca. 6 g

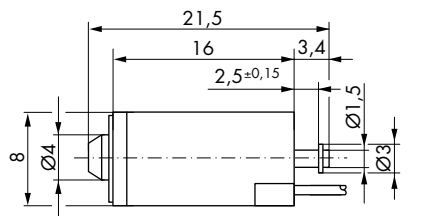
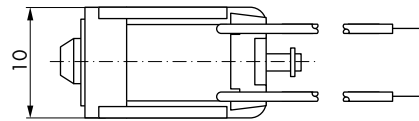
Anker: ca. 1,6 g
Standard:
Spannung: 24 V DC
Litze: 10 cm
Isolierstoffklasse: E (T_{grenz} = 120 °C)



Weight:
Complete solenoid: appr. 6 g
Armature: appr. 1.6 g
Standard:
Voltage: 24 V DC
Flying leads: 10 cm
Insulation class: E (max. permissible temperature = 120 °C)

Isolationsgruppe nach: VDE 0110 C 75
Prüfspannung: 500 V (eff)
Schutzart: IP 00

Insulation group according to: VDE 0110 C 75
Test voltage: 500 V (eff)
Protection: IP 00



Maße im angezogenem Zustand

→
Hubrichtung

Dimensions given with armature in fully home position

→
Direction of stroke

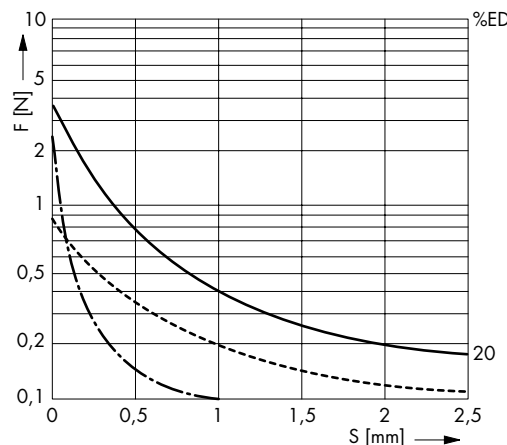
Zul. rel. Einschaltdauer (ED)	%	20	%	Perm. duty cycle (ED)
Nennaufnahme P 20	W	5,6	W	Nominal coil power P 20
Anzugszeit (ED)	ms	12	ms	Actuation time (ED)
Abfallzeit	ms	7	ms	Drop-out time

Kraft-Weg-Diagramm $F = f(s)$

— — — Federkraft
- - - - - Permanentkraft

Kraft bei waagerechter Bewegungsrichtung und bei 90 % Nennspannung und betriebswarmer Wicklung ohne Rückholfeder

Hub $s = 0$ entspricht dem angezogenen, bestromten Zustand



Force vs. Stroke diagramm $F = f(s)$

— — — spring force
- - - - - permanent force

Force measured when operating in horizontal position, at 90 % rated voltage and with winding at operating temperature without return spring

stroke $s = 0$ corresponds to armature in fully home position

Stoßende und ziehende Ausführung

Thrust and pull type

Bestellformel	BI	13	- F -	24 V DC	25 % ED	Order specifications
Hubmagnet	BI					Linear solenoid
Bauart		13				Design type
Anschlußart						Coil terminals
Litze (Standardlänge 10 cm)			F			Flying leads (10 cm standard length)
Lötpins 0,63 (Rastermaß 8,9 mm)			L			Soldering pins 0.63 (grid dimensions 8.9 mm)
Nennspannung (Standardspannung) ¹⁾				24		Nominal voltage (standard voltage) ¹⁾
Zulässige relative Einschaltdauer bei Luftkühlung (LK)					25 % ED	Perm. duty cycle under air cooled conditions (LK)

¹⁾ Die Magnete sind auf Anfrage bis 30 V DC lieferbar

¹⁾ Other voltages are available on request up to 30 V DC

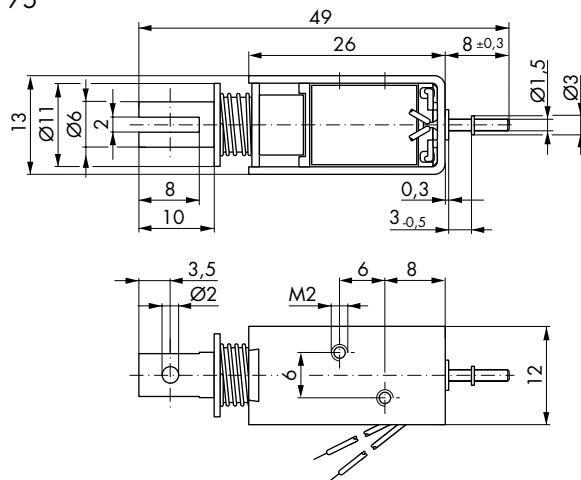
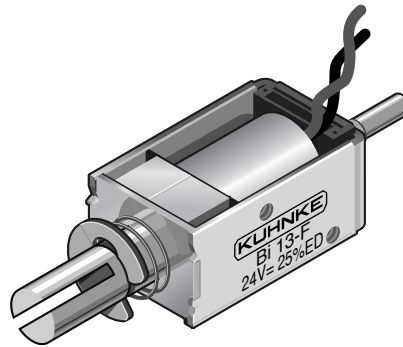
Gewicht:
Magnet: ca. 23 g

Anker: ca. 6 g
Standard:
Spannung: 24 V DC
Litze: 10 cm
Isolierstoffklasse: E (T_{grenz} = 120 °C)

Weight:
Complete solenoid: appr. 23 g
Armature: appr. 6 g
Standard:
Voltage: 24 V DC
Flying leads: 10 cm
Insulation class: E (max. permissible temperature = 120 °C)

Isolationsgruppe nach: VDE 0110 C 75
Prüfspannung: 500 V (eff)
Schutzart: IP 00

Insulation group according to: VDE 0110 C 75
Test voltage: 500 V (eff)
Protection: IP 00



Maße im angezogenem Zustand

Dimensions given with armature in fully home position

→
Hubrichtung

→
Direction of stroke

Zul. rel. Einschaltdauer (ED)	%	25	%	Perm. duty cycle (ED)
Nennaufnahme P 20	W	7	W	Nominal coil power P 20
Anzugszeit (ED)	ms	14	ms	Actuation time (ED)
Abfallzeit	ms	12	ms	Drop-out time

Kraft-Weg-Diagramm F = f (s)

Force vs. Stroke diagramm F = f (s)

— — — Federkraft
- . - . - Permanentkraft

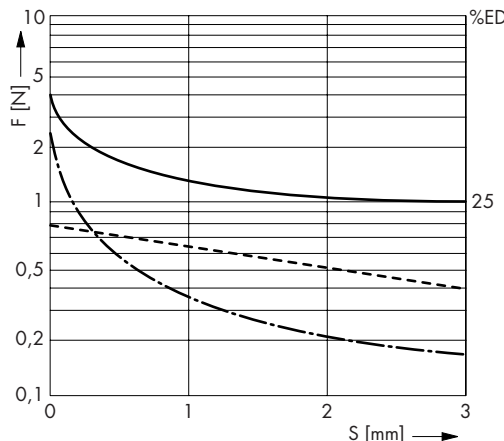
— — — spring force
- . - . - permanent force

Kraft bei waagerechter Bewegungsrichtung und bei 90 % Nennspannung und betriebswarmer Wicklung ohne Rückholfeder

Force measured when operating in horizontal position, at 90 % rated voltage and with winding at operating temperature without return spring

Hub s = 0 entspricht dem angezogenen, bestromten Zustand

stroke s = 0 corresponds to armature in fully home position



Stoßende und ziehende Ausführung

Thrust and pull type

Bestellformel	BI	17	- F -	24 V DC	25 % ED	Order specifications
Hubmagnet	BI					Linear solenoid
Bauart		17				Design type
Anschlußart						Coil terminals
Litze (Standardlänge 10 cm)			F			Flying leads (10 cm standard length)
Nennspannung (Standardspannung) ¹⁾				24		Nominal voltage (standard voltage) ¹⁾
Zulässige relative Einschaltdauer bei Luftkühlung (LK)					25 % ED	Perm. duty cycle under air cooled conditions (LK)

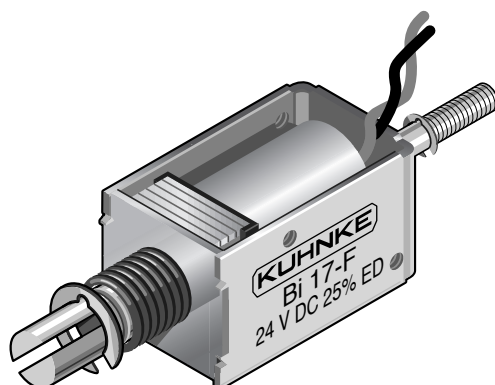
¹⁾ Die Magnete sind auf Anfrage bis 60 V DC lieferbar

¹⁾ Other voltages are available on request up to 60 V DC

Gewicht:
Magnet: ca. 46 g

Anker: ca. 12 g
Standard:
Spannung: 24 V DC
Litze: 10 cm
Isolierstoffklasse: E (T_{grenz} = 120 °C)

Isolationsgruppe nach: VDE 0110 C 75
Prüfspannung: 800 V (eff)
Schutzart: IP 00



Weight:
Complete solenoid: appr. 46 g
Armature: appr. 12 g
Standard:
Voltage: 24 V DC
Flying leads: 10 cm
Insulation class: E (max. permissible temperature = 120 °C)

Insulation group according to: VDE 0110 C 75
Test voltage: 800 V (eff)
Protection: IP 00

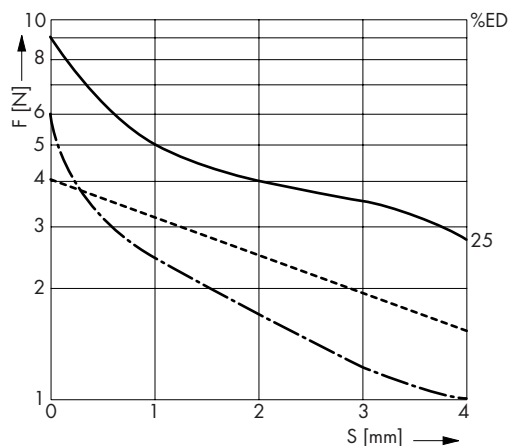
Zul. rel. Einschaltdauer (ED)	%	25	%	Perm. duty cycle (ED)
Nennaufnahme P 20	W	9,5	W	Nominal coil power P 20
Anzugszeit (ED)	ms	22	ms	Actuation time (ED)
Abfallzeit	ms	11	ms	Drop-out time

Kraft-Weg-Diagramm $F = f(s)$

— — — Federkraft
- . - . - Permanentkraft

Kraft bei waagerechter Bewegungsrichtung und bei 90 % Nennspannung und betriebswarmer Wicklung ohne Rückholfeder

Hub $s = 0$ entspricht dem angezogenen, bestromten Zustand



Force vs. Stroke diagramm $F = f(s)$

— — — spring force
- . - . - permanent force

Force measured when operating in horizontal position, at 90 % rated voltage and with winding at operating temperature without return spring

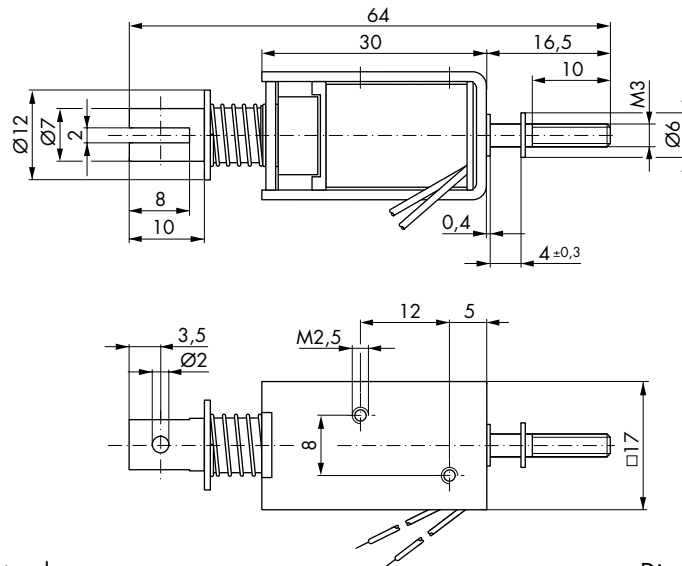
stroke $s = 0$ corresponds to armature in fully home position

Bistabiler Hubmagnet
BI 17

Bistable Linear Solenoid
BI 17

Stoßende und ziehende Ausführung

Thrust and pull type



Maße im angezogenem Zustand

→
Hubrichtung

Dimensions given with armature
in fully home position

→
Direction of stroke