

Feststelleinheiten



AVENTICS™

**AVENTICS Feststelleinheiten der
Baureihe LU6**


EMERSON™

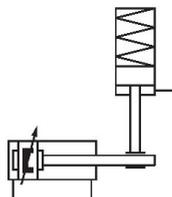
Feststelleinheiten

Die AVENTICS Baureihe LU6 ist eine mechanische Feststelleinheit/Bremse für Kolbenstangen von Pneumatikzylindern nach ISO 15552 oder vergleichbaren Rundstangen. Die LU6 ist ein Sicherheitsbauteil gemäß Maschinenrichtlinie 2006/42/EG (CE-Kennzeichnung) und kann in sicherheitsrelevanten Steuerungen eingesetzt werden.

- Von der IFA geprüft und zertifiziert als pneumatische Bremse/Feststelleinheit mit Sicherheitsfunktion nach DIN ISO 13849
- Verhinderung einer gefahrbringenden Bewegung (Kat. 1 bis max. PL c, „Bewährtes Bauteil“)
- Sicherer Halt in der oberen Endlage durch Klemmen und einseitiges Belüften (Kat. 4 bis max. PL e)
- Unterbrechung einer gefahrbringenden Bewegung (Nothalt)
- Hohe B10d-Werte dynamisches Bremsen: 2 Mio. Zyklen
- Hohe B10d-Werte statisches Halten: 5 Mio. Zyklen

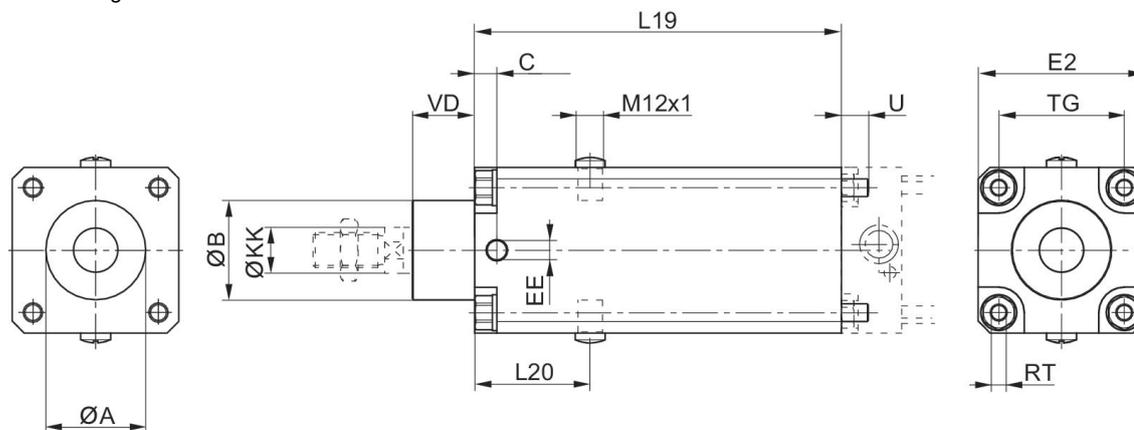


Feststelleinheit, Serie LU6



| Kolben-Ø [mm] | geeigneter Kolbenstangendurchmesser [mm] | Kolbenstangenverlängerung [mm] | Druckluftanschluss | Löse- druck min. [bar] | Löse- druck max. [bar] | Erforderlicher Durchfluss Qn [l/min] | Max. Torsionsmoment Kolbenstange [Nm] | Materialnummer |
|---------------|--|--------------------------------|--------------------|---------------------------|---------------------------|--------------------------------------|---------------------------------------|----------------|
| 32 | 12 | 125 | G 1/8 | 4 | 10 | 50 | 0.5 | 5230996402 |
| 40 | 16 | 125 | G 1/8 | 4 | 10 | 70 | 1 | 5231996402 |
| 50 | 20 | 145 | G 1/8 | 4 | 10 | 140 | 2 | 5232996402 |
| 63 | 20 | 165 | G 1/8 | 4 | 10 | 240 | 2.5 | 5233996402 |
| 80 | 25 | 185 | G 1/8 | 4 | 10 | 450 | 5 | 5234996402 |
| 100 | 25 | 220 | G 1/8 | 4 | 10 | 700 | 9 | 5235996402 |
| 125 | 32 | 220 | G 1/4 | 4 | 10 | 1200 | 15 | 5236996402 |

Abmessungen



| Kolben-Ø | Materialnummer | ØA | ØB d11 | C | EE | E2 | L19 | L20 | ØKK e8-h9 | TG |
|----------|----------------|------|--------|----|------|-----|-----|------|-----------|------|
| 32 | 5230996402 | 30,5 | 30 | 9 | G1/8 | 48 | 125 | 44 | 12 | 32,5 |
| 40 | 5231996402 | 35,5 | 35 | 9 | G1/8 | 53 | 125 | 44 | 16 | 38 |
| 50 | 5232996402 | 40,5 | 40 | 9 | G1/8 | 63 | 145 | 49 | 20 | 46,5 |
| 63 | 5233996402 | 45,5 | 45 | 10 | G1/8 | 75 | 165 | 52 | 20 | 56,5 |
| 80 | 5234996402 | 45,5 | 45 | 11 | G1/8 | 98 | 185 | 61.5 | 25 | 72 |
| 100 | 5235996402 | 55,5 | 55 | 13 | G1/8 | 118 | 220 | 68 | 25 | 89 |

| Kolben-Ø | Material-nummer | ØA | ØB d11 | C | EE | E2 | L19 | L20 | ØKK e8-h9 | TG |
|----------|-----------------|------|--------|----|------|-----|-----|-----|-----------|-----|
| 125 | 5236996402 | 60,5 | 60 | 13 | G1/4 | 142 | 220 | 75 | 32 | 110 |

| Kolben-Ø | RT | U | VD |
|----------|-----|----|----|
| 32 | M6 | 10 | 19 |
| 40 | M6 | 10 | 21 |
| 50 | M8 | 11 | 28 |
| 63 | M8 | 11 | 28 |
| 80 | M10 | 16 | 34 |
| 100 | M10 | 16 | 37 |
| 125 | M12 | 16 | 45 |

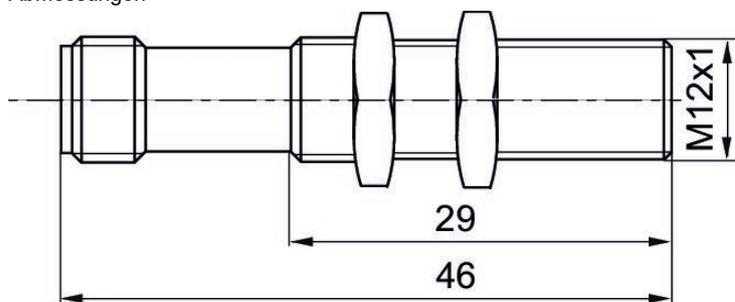
Sensor, Serie IN1

DIN EN 60947-5-2
LU6
Stecker
M12x1
cULus
3-polig



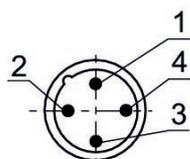
| Betriebsspannung DC, min. [V DC] | Betriebsspannung DC, max. [V DC] | Schaltabstand max. | Stromaufnahme [mA] | Kurzschlussfestigkeit | Materialnummer |
|----------------------------------|----------------------------------|--------------------|--------------------|-----------------------------------|----------------|
| 10 | 30 | 2 mm | 10 | kurzschlussfest, verpolungssicher | R412010426 |

Abmessungen



R412010426

Pin-Belegung



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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