

提夫自控技术（上海）有限公司



| 电气参数 | | |
|---------------------------------------|--------------|------------------|
| 标称阻值 | 1 k | Ohm |
| 阻值精度 | ±20 | % |
| 独立线性度 | ±1 | % of meas. range |
| 电气行程 | 10 | mm |
| 可重复性 | 0.05 | mm |
| 分压器温度系数 | 50 | ppm/°C |
| 推荐滑动片电流 | max. 1 | µA |
| 故障失灵滑动片最大电流 | 10 | mA |
| 功率P | max. 0.5 | W/40°C |
| 最小寿命(电气) | 10 Mio. | cycles |
| 机械参数 | | |
| 机械行程 | 10 | mm |
| 推杆调节力 | max. 3 | N |
| 带回拉弹簧推杆调节力 | max. 10 | N |
| 最小寿命(机械) | 5 Mio. | cycles |
| 工作温度 | -25 ... +75 | °C |
| 储存温度 | -25 ... +105 | °C |
| 防护等级 | IP65 | |
| 标准 | | |
| 绝缘电阻(500 VDC, 1bar, 2s) | 10 | GOhm |
| 绝缘强度(VAC, 50Hz, 1min, 1bar) | 700 | V |
| 振动(Amax = 0.75mm, f = 30 ... 2000 Hz) | 10 | g |
| 冲击(half sine pulse, 7 ms) | 50 | g |

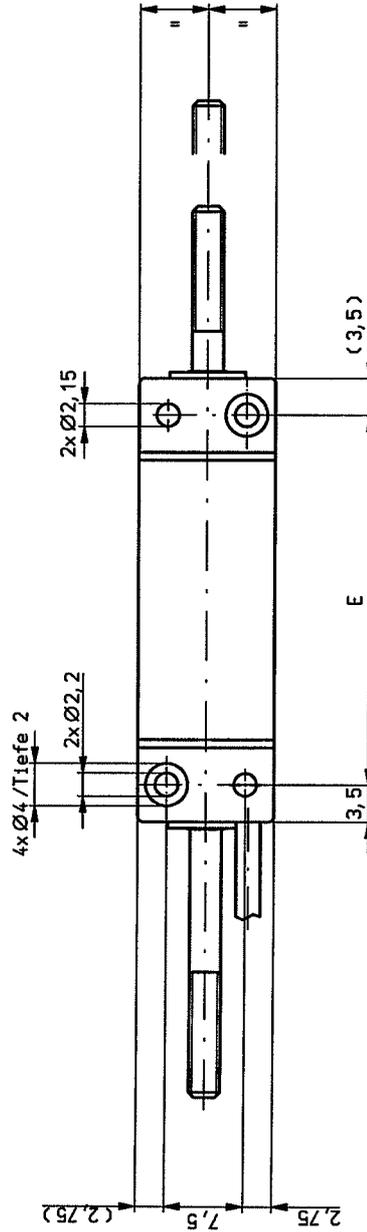
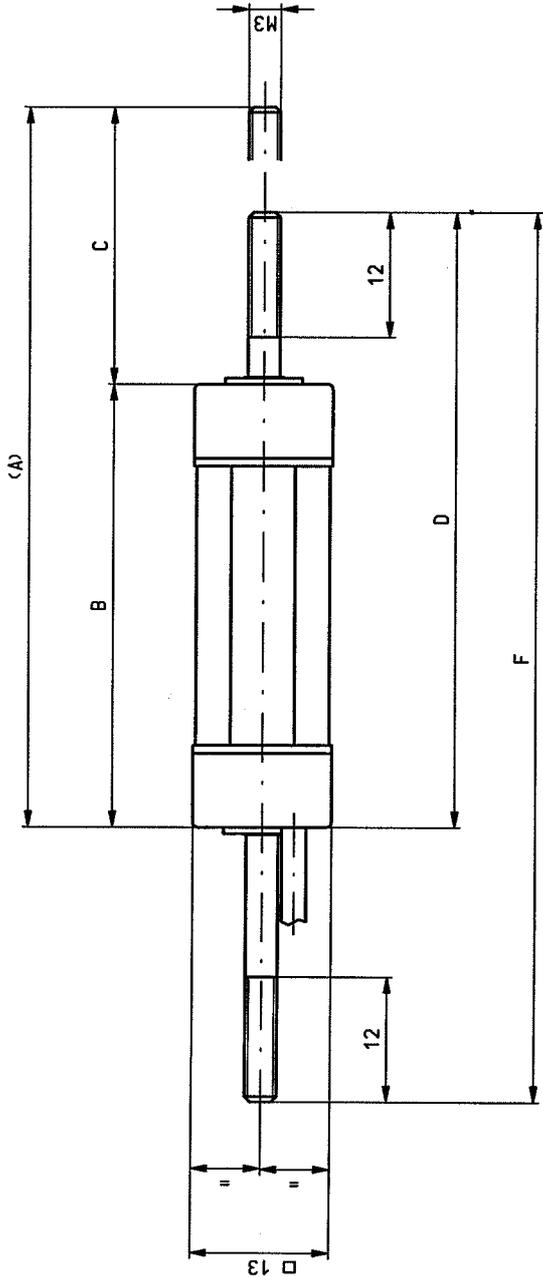
KL100 (KL10/KLR10)

应用
 • 汽车加速踏板
 产品特点
 小体积
 适应性设计
 5 Mio. 转
 极好的线性度高达 ±0.5%
 非常好的分辨率, 好于0,05mm

可选
 线性度 ±0.5 %
 标称阻值 1KOhm 到 20KOhm
 推杆槽
 更长推杆
 线缆连接
 更长电缆
 串联加固
 不带螺纹
 带螺纹M6x0.75 or M10x0.75
 带或不带回拉弹簧



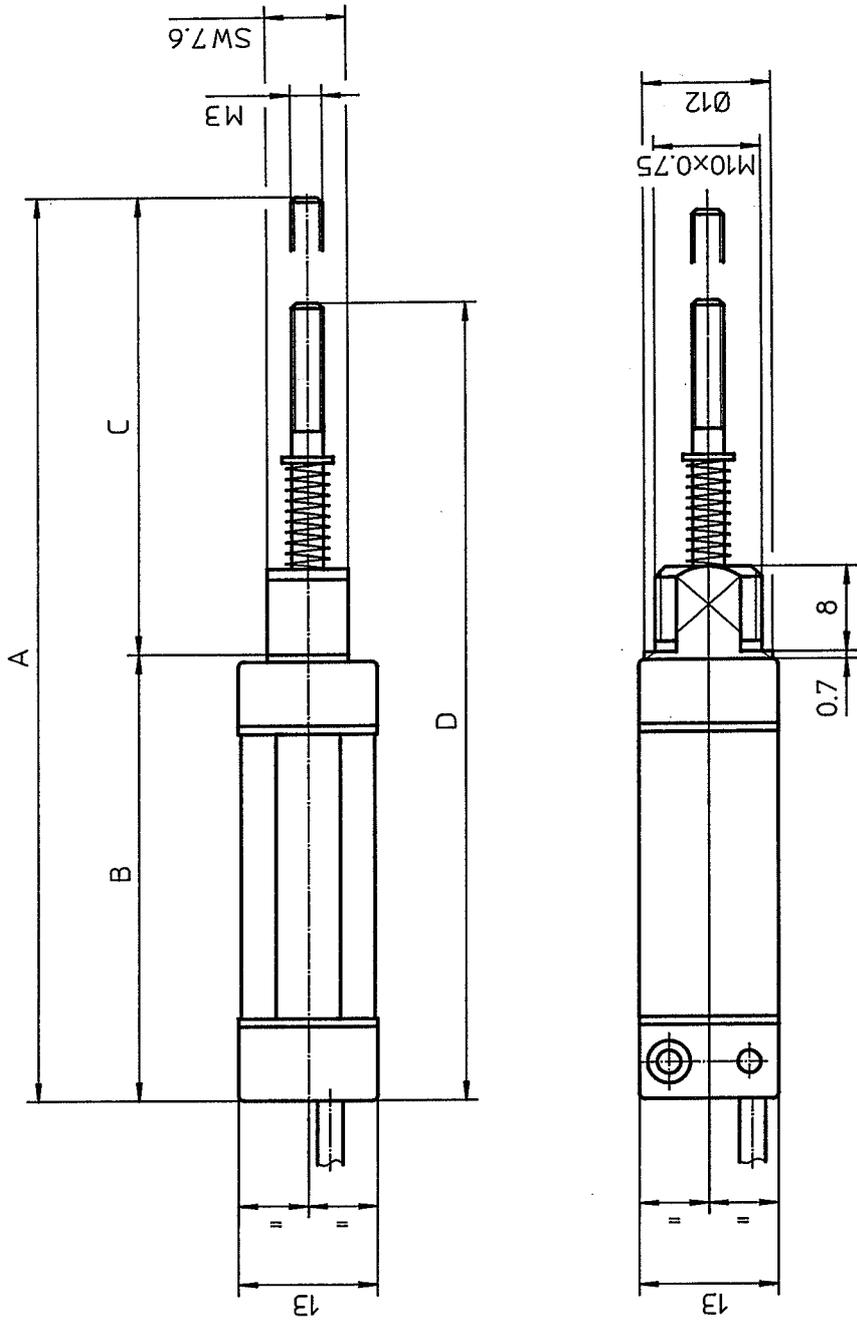
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| Typ | Art. Nr. | Elektr. Hub | Linearität | A | B | C | D | E | F |
|-----------------|----------|-------------|------------|-------|----|------|------|----|-----|
| KL 100-1K0/M-SD | 70437 | 10 | ±1% | 68.5 | 42 | 26.5 | 58.5 | 35 | 85 |
| KL 100-1K0/M-SD | 70822 | 10 | ±0.5% | 68.5 | 42 | 26.5 | 58.5 | 35 | 85 |
| KL 250-5K0/M-SD | 70440 | 25 | ±1% | 98.5 | 57 | 41.5 | 73.5 | 50 | 115 |
| KL 250-5K0/M-SD | 70825 | 25 | ±0.25% | 98.5 | 57 | 41.5 | 73.5 | 50 | 115 |
| KL 500-5K0/M-SD | 70443 | 50 | ±1% | 148.5 | 82 | 66.5 | 98.5 | 75 | 165 |
| KL 500-5K0/M-SD | 70828 | 50 | ±0.25% | 148.5 | 82 | 66.5 | 98.5 | 75 | 165 |

| Pos | Menge | EH | Abmessung | Werkstoff | Name | Art. Nummer | |
|--------------|----------|------|-----------|-------------|------------------------|-------------|-------|
| 2 | | | | | | | |
| 6 | | | | Verkstoff | Gewicht | Bemerkung | |
| 5 | | | | © | Allg. Tol. SN 258440-m | T. Kl. | |
| 4 | | | | Bearbeitet | 06.10.97 | In | |
| 3 | | | | Gepüft | 28.7.98 | g/m | |
| 2 | | | | Normspr. | | | |
| 1 | | | | Vorg. Zeit. | | | |
| | | | | Folge Zeit. | | | |
| Nr. | Änderung | Ind. | Datum | Name | Urspr. | F.12910.A | |
| CONTELEC AG | | | | | | MB3 | 12910 |
| CH-2503 BIEL | | | | | | A | 99 |

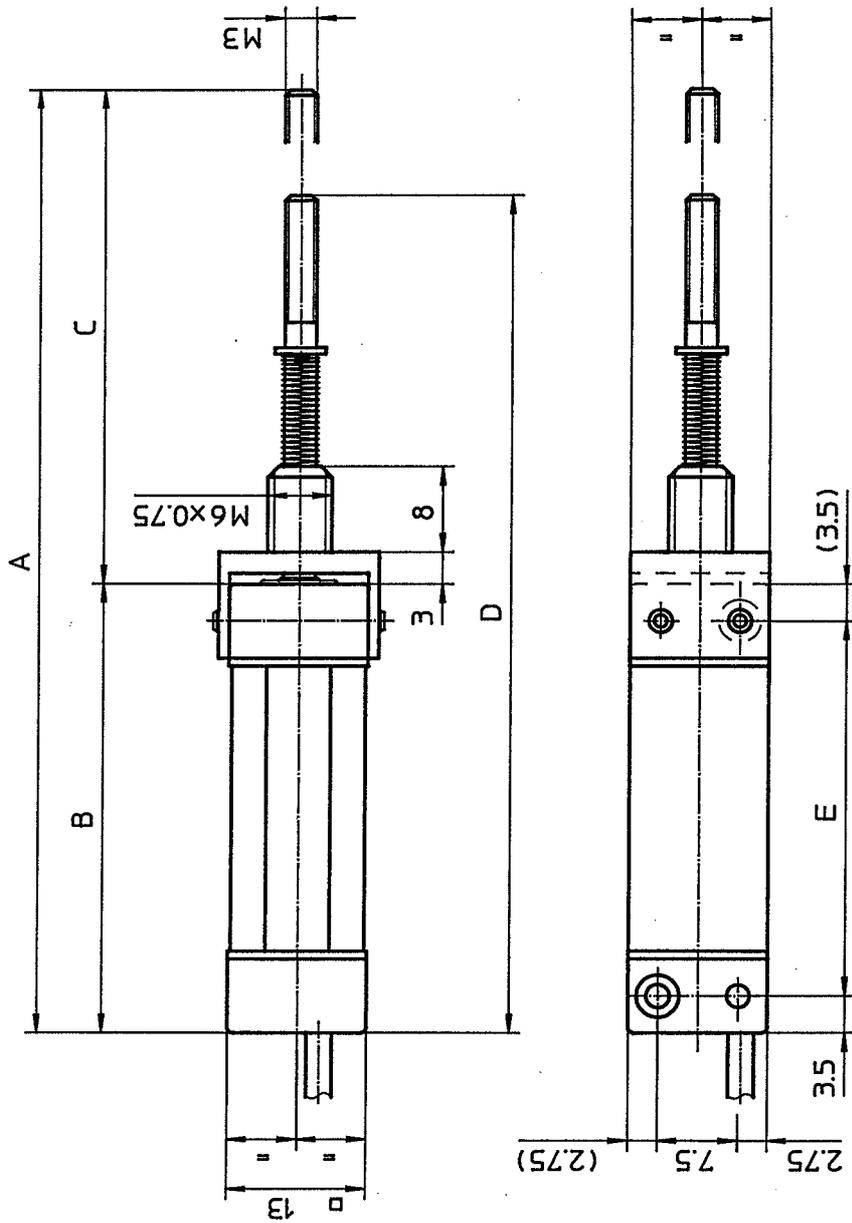
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| Typ | Art.-Nr. | Elektr. Hublänge gesamt | Linearität | A | B | C | D |
|--------------------|---------------------------|----------------------------|------------|-------|------|-------|-------|
| KL 100-1K0/M-SEFZM | 82656 | 10 | ±1% | 85.2 | 41.7 | 43.5 | 75.2 |
| KL 100-1K0/M-SEFZM | 82657 | 10 | ±0.5% | 85.2 | 41.7 | 43.5 | 75.2 |
| KL 250-5K0/M-SEFZM | 82658 | 25 | ±1% | 125.2 | 56.7 | 68.5 | 100.2 |
| KL 250-5K0/M-SEFZM | 82659 | 25 | ±0.25% | 125.2 | 56.7 | 68.5 | 100.2 |
| KL 500-5K0/M-SEFZM | 82660 82661 | 50 | ±1% | 185.2 | 81.7 | 103.5 | 135.2 |
| KL 500-5K0/M-SEFZM | 82661 | 50 | ±0.25% | 185.2 | 81.7 | 103.5 | 135.2 |

| | | | | | |
|------------|-----------------|--------------|------|---------------------|----------------|
| Menge | Einh. | Artikel Nr. | Ind. | Bezeichnung 1 | Bezeichnungen |
| 1 | A 04.07.97 gm | 4. | | | |
| 2 | A 06.12.04 /msf | 5. | | | Vorg.Zchnng: |
| 3 | | 6. | | | Folge-Zchnng: |
| Gezeichnet | 18.11.96 | OG | | | Tit. Kl. 07.03 |
| Geprüft | 4.07.97 | | | | |
| Normgepr. | | | | | |
| Freigabe | | | | | |
| | | Bezeichn. 1 | | MB KL-SEFZM (Kabel) | |
| | | Bezeichn. 2 | | KL 100-1000 | |
| | | CONTELEC AG | | 12920 | |
| | | CH-2503-BIEL | | MB3 | |
| | | | | A 99 | |

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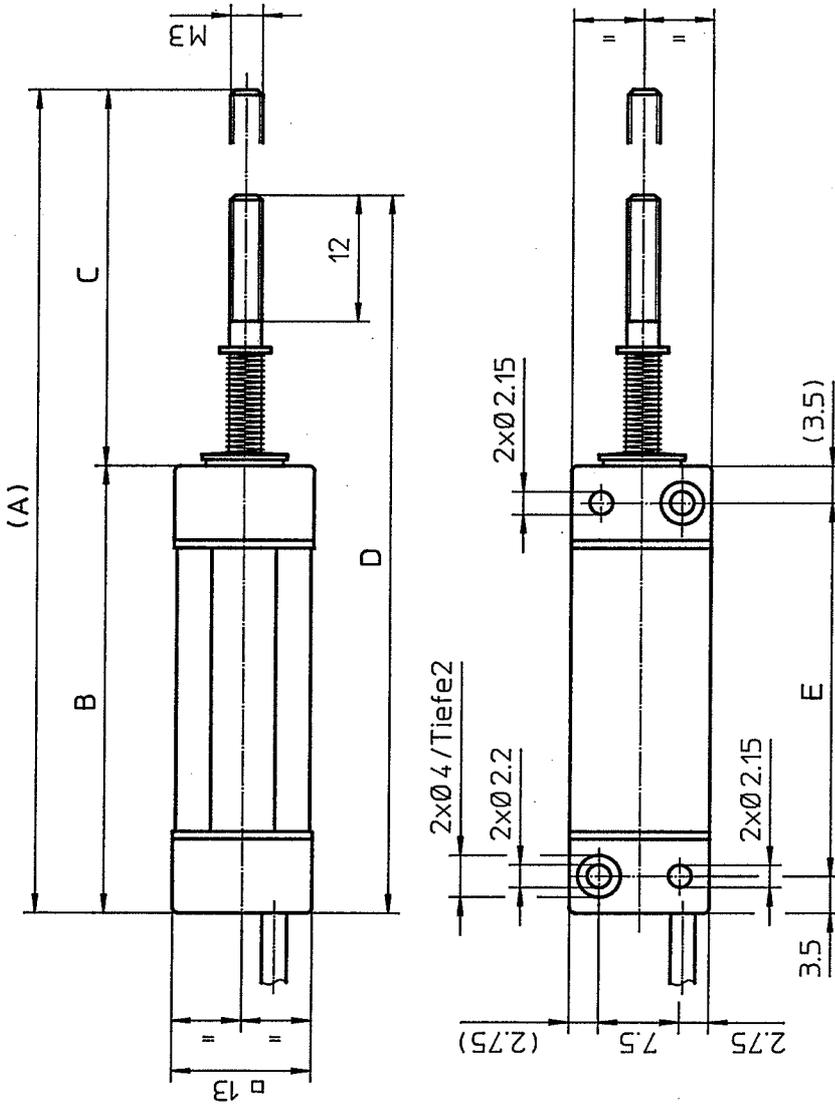
| Typ | Art.-Nr. | Elektr. Hülslänge gesamt linearisiert | Linearität | A | B | C | D | E |
|--------------------|----------|---|------------|-------|----|-------|-------|----|
| KL 100-1K0/M-SEFZN | 82236 | 10 | ±1% | 88.5 | 42 | 46.5 | 78.5 | 35 |
| KL 100-1K0/M-SEFZN | 82402 | 10 | ±0.5% | 88.5 | 42 | 46.5 | 78.5 | 35 |
| KL 250-5K0/M-SEFZN | 82238 | 25 | ±1% | 128.5 | 57 | 71.5 | 103.5 | 50 |
| KL 250-5K0/M-SEFZN | 82405 | 25 | ±0.25% | 128.5 | 57 | 71.5 | 103.5 | 50 |
| KL 500-5K0/M-SEFZN | 82240 | 50 | ±1% | 188.5 | 82 | 106.5 | 138.5 | 75 |
| KL 500-5K0/M-SEFZN | 82388 | 50 | ±0.25% | 188.5 | 82 | 106.5 | 138.5 | 75 |

| | | | | | | |
|------------|---------|-------------|-------|--|---------------|-------------|
| Menge | Einheit | Artikel-Nr. | Incl. | Bezeichnung 1 | Bezeichnung 2 | Bemerkungen |
| 8 | 1 A | 30.08.93 gm | | | | |
| 5 | 2 A | 14.06.96 og | | | | |
| 3 | 3 A | 04.07.97 gm | | | | |
| Gezeichnet | | 09.02.93 | gjm | Projektion Massstab 2:1 Vorg.Zeichng: Folge-Zeichng: T. Kl. 07.03 | | |
| Geprüft | | 4.7.97 | | Allg. tol. SN 258740 mittel | | |
| Normgepr. | | | | Bezeichn. 1 MB KL-SEFZN (Kabel) | | |
| Freigabe | | | | Bezeichn. 2 KL 100-1000 | | |

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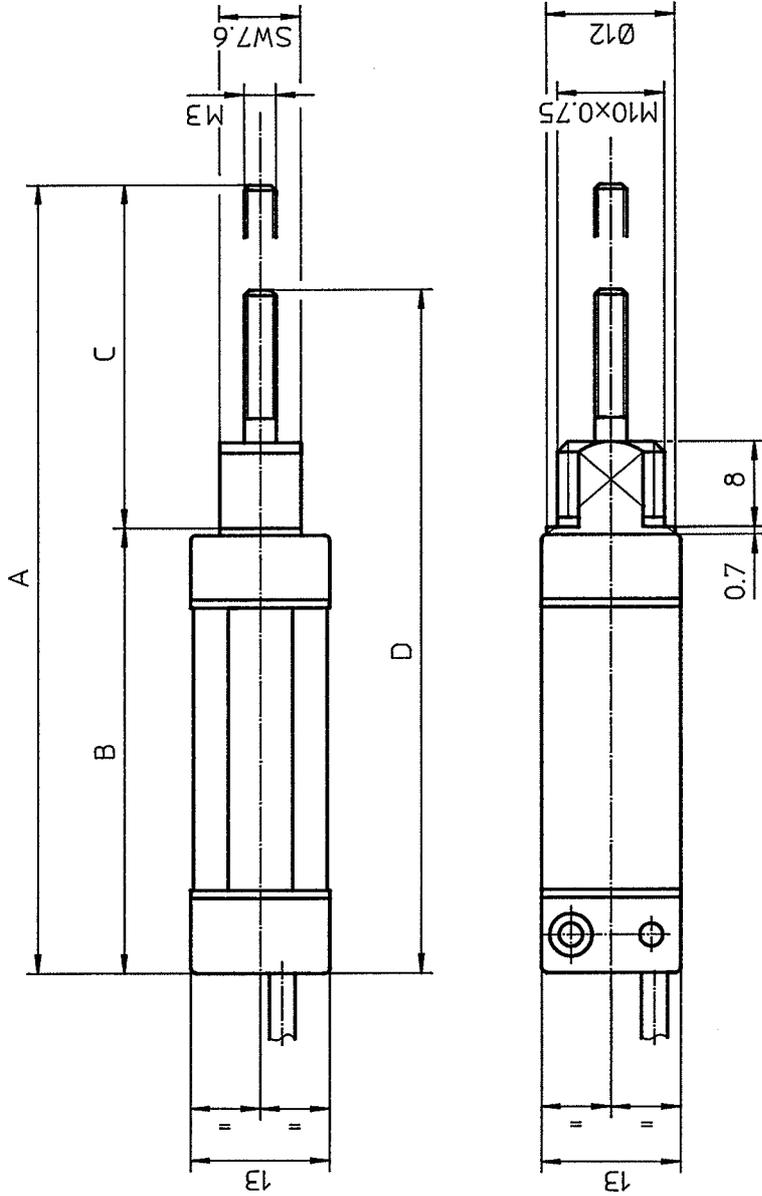
| Typ | Art.-Nr. | Elektr. Hublänge gesamt | Linearität linearisiert | A | B | C | D | E |
|------------------|----------|----------------------------|----------------------------|-------|----|------|-------|----|
| KL 100-1K0/M-SEF | 70436 | 10 | - | 77.5 | 42 | 35.5 | 67.5 | 35 |
| KL 100-1K0/M-SEF | 70824 | 10 | ±0.5% | 77.5 | 42 | 35.5 | 67.5 | 35 |
| KL 150-1K0/M-SEF | 82825 | 15 | - | 95.5 | 47 | 48.5 | 80.5 | 40 |
| KL 250-5K0/M-SEF | 70439 | 25 | - | 117.5 | 57 | 60.5 | 92.5 | 50 |
| KL 250-5K0/M-SEF | 70827 | 25 | ±0.25% | 117.5 | 57 | 60.5 | 92.5 | 50 |
| KL 500-5K0/M-SEF | 70442 | 50 | - | 177.5 | 82 | 95.5 | 127.5 | 75 |
| KL 500-5K0/M-SEF | 70830 | 50 | ±0.25% | 177.5 | 82 | 95.5 | 127.5 | 75 |

| Menge | Erh. | Artikel Nr. | Ind. | Bezeichnung 1 | Bezeichnungen |
|-------------|----------|-------------|------|-------------------------------|-------------------------------------|
| 1 | 19.07.93 | br | 4 A | 03.07.97 gm | Vorg.Zchnng: 11903A vom 03.07.97 |
| 2 | 27.08.93 | gm | 5 B | 11.09.97/A317 gm | Projektion |
| 3 | 15.02.94 | ng | 6 B | 13.02.98 gm | Massstab 2:1 |
| Bezeichnung | | | | 05.08.91 | Alg. id. SN 258440 |
| Geprüft | | | | 16.02.99 | mittel |
| Normgepr. | | | | si | T. Kl. 07.03 |
| Freigabe | | | | Bezeichn. 1 MB KL-SEF (Kabel) | |
| | | | | Bezeichn. 2 KL100/250/500 | |

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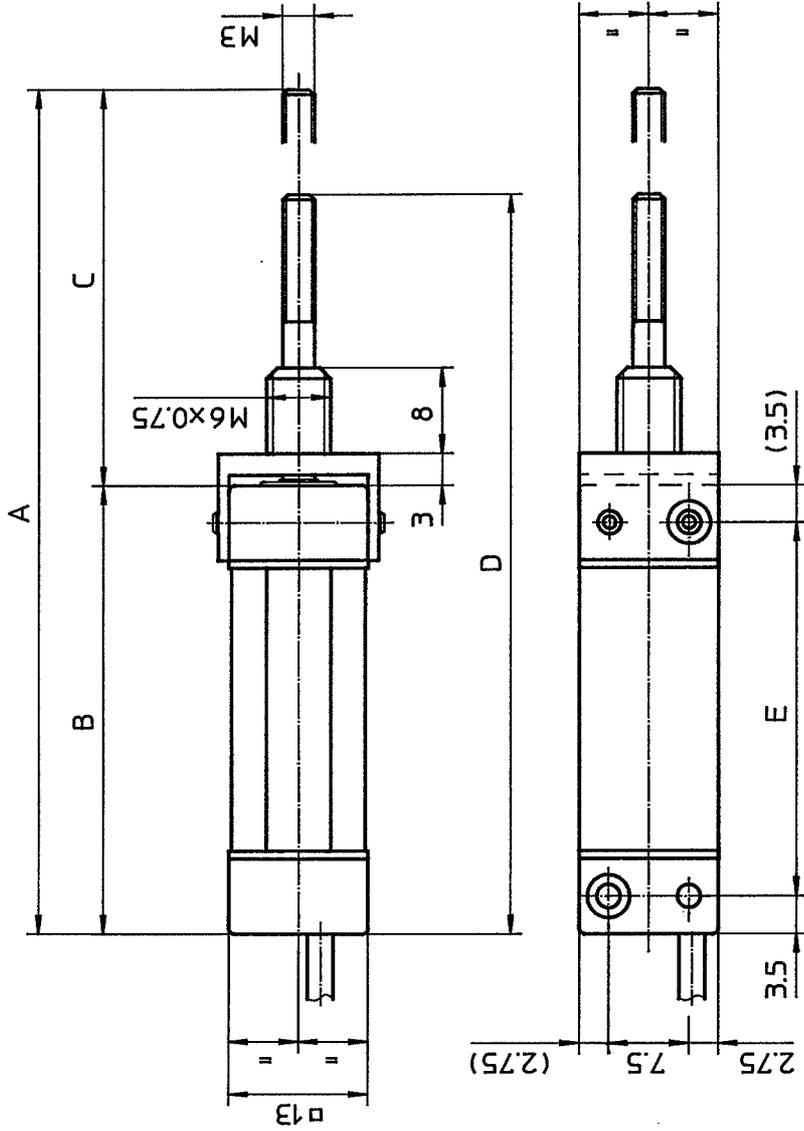
| Typ | Art.-Nr. | Elektr. Hublänge gesamt | linearisiert | Linearität | A | B | C | D |
|---------------------|----------|----------------------------|--------------|------------|-------|-------|-------|-------|
| KL 100-1K0/M-SE ZM | 82649 | 10 | - | ±1% | 75.2 | 41.7 | 33.5 | 65.2 |
| KL 100-1K0/M-SE ZM | | 10 | 9 | ±0.5% | 75.2 | 41.7 | 33.5 | 65.2 |
| KL 250-5K0/M-SE ZM | 82650 | 25 | - | ±1% | 105.2 | 56.7 | 48.5 | 80.2 |
| KL 250-5K0/M-SE ZM | | 25 | 23 | ±0.25% | 105.2 | 56.7 | 48.5 | 80.2 |
| KL 500-5K0/M-SE ZM | 82651 | 50 | - | ±1% | 155.2 | 81.7 | 73.5 | 105.2 |
| KL 500-5K0/M-SE ZM | 82652 | 50 | 48 | ±0.25% | 155.2 | 81.7 | 73.5 | 105.2 |
| KL 750-5K0/M-SE ZM | 82653 | 75 | - | ±1% | 205.2 | 106.7 | 98.5 | 130.2 |
| KL 750-5K0/M-SE ZM | | 75 | 73 | ±0.25% | 205.2 | 106.7 | 98.5 | 130.2 |
| KL 1000-5K0/M-SE ZM | 82654 | 100 | - | ±1% | 255.2 | 131.7 | 123.5 | 155.2 |
| KL 1000-5K0/M-SE ZM | 82655 | 100 | 98 | ±0.25% | 255.2 | 131.7 | 123.5 | 155.2 |

| | | | | | |
|---------------|-----------------|---------------------|----------------------|---------------|---------------|
| Menge | 1 A 04.12.96 gm | 4. | Ind | Bezeichnung 1 | Bezeichnungen |
| Gezeichnet | 18.11.96 | OG | Artikel Nr. | | |
| Geprüft | 4.07.97 | VZ | | | |
| Normgeber | | | | | |
| Fertigabe | | | | | |
| Bezeichnung 1 | | MB KL-SE ZM (Kabel) | Projektion | | Vorg.Zchnng. |
| Bezeichnung 2 | | KL 100-1000 | Massstab | | Folge-Zchnng. |
| | | | 2:1 | | |
| | | | Allg. tel. SN 256440 | | T. Kl. 07.03 |
| | | | mittel | | |

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| Typ | Art.-Nr. | Elektr. Hühänge gesamt | linearisiert | Linearität | A | B | C | D | E |
|---------------------|----------|---------------------------|--------------|------------|-------|-----|-------|-------|-----|
| KL 100-1K0/M-SE ZN | 82298 | 10 | - | ±1% | 78.5 | 42 | 36.5 | 68.5 | 35 |
| KL 100-1K0/M-SE ZN | | 10 | 9 | ±0.5% | 78.5 | 42 | 36.5 | 68.5 | 35 |
| KL 250-5K0/M-SE ZN | 82237 | 25 | - | ±1% | 108.5 | 57 | 51.5 | 83.5 | 50 |
| KL 250-5K0/M-SE ZN | | 25 | 23 | ±0.25% | 108.5 | 57 | 51.5 | 83.5 | 50 |
| KL 500-5K0/M-SE ZN | 82239 | 50 | - | ±1% | 158.5 | 82 | 76.5 | 108.5 | 75 |
| KL 500-5K0/M-SE ZN | 82408 | 50 | 48 | ±0.25% | 158.5 | 82 | 76.5 | 108.5 | 75 |
| KL 750-5K0/M-SE ZN | 82320 | 75 | - | ±1% | 208.5 | 107 | 101.5 | 133.5 | 100 |
| KL 750-5K0/M-SE ZN | | 75 | 73 | ±0.25% | 208.5 | 107 | 101.5 | 133.5 | 100 |
| KL 1000-5K0/M-SE ZN | 82243 | 100 | - | ±1% | 258.5 | 132 | 126.5 | 158.5 | 125 |
| KL 1000-5K0/M-SE ZN | 82409 | 100 | 98 | ±0.25% | 258.5 | 132 | 126.5 | 158.5 | 125 |

| | | | | |
|-----------------|----------|-------------|--------------------|---------------|
| Menge | Einh. | Artikel Nr. | Ind. Bezeichnung 1 | Bemerkungen |
| 1 | A | 27.08.93 gm | 4 A 04.12.96 gm | |
| 2 | A | 14.06.96 og | 5 A 04.07.97 gm | Vorg.Zehrig: |
| 3 | A | 12.11.96 og | 6 | Folge-Zehrig: |
| Gezeichnet | 28.06.93 | gjm | mitl | T. Kl. 07.03 |
| Geprüft | 4.03.97 | wj | | |
| Normgepr. | | | | |
| Freigabe | | | | |
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