



Miniature Circuit Breakers

کلیدهای مینیاتوری

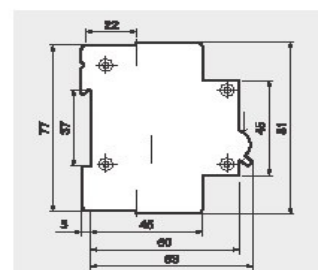
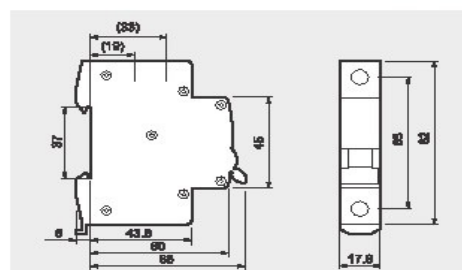
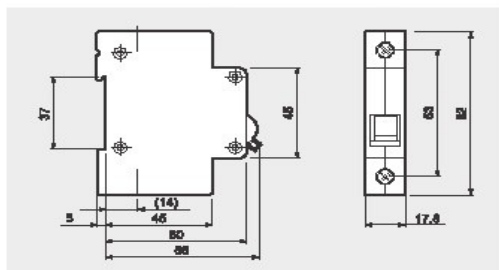
1, 2, 3 and 4 pole series up to 125AF

۱، ۲، ۳ و ۴ پل - تا ۱۲۵ آمپر



| Type | مدل های مختلف مینیاتوری | BKN | BKN - c | BKN - b | |
|----------------------|--------------------------|--|--------------------|--|---------------------|
| Protection | نوع حفاظت | Overload and short circuit | | Overload and short circuit | |
| Rated current | جریان نامی | 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A | | 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A | |
| Characteristics | نوع منحنی | B, C, D curve | | B, C, D curve | |
| Poles | تعداد پل ها | 1p, 1p+N, 2p, 3p, 3p+N, 4p | | 1p, 1p+N, 2p, 3p, 3p+N, 4p | |
| Breaking Capacity | المرت قطع | 1 pole | 2 ~ 4 pole | 1 pole | 2 ~ 4 pole |
| | 1 A | 6 kA at 230/400 VAC | 6 kA at 400 VAC | 10 kA at 230/400 VAC | 10 kA at 400 VAC |
| | 2 A | | | | |
| | 3 A | | | | |
| | 4 A | | | | |
| | 6 A | | | | |
| | 10 A | | | | |
| | 16 A | | | | |
| | 20 A | | | | |
| | 25 A | | | | |
| | 32 A | | | | |
| | 40 A | | | | |
| | 50 A | | | | |
| | 63 A | | | | |
| 80 A | | | | | |
| 100 A | | | | | |
| 125 A | | | | | |
| Standard | استاندارد | IEC 60896 / 60947-2 | | IEC 60896 / 60947-2 | |
| Type of trip | نوع تریپ (قطع) | Thermal magnetic release | | Thermal magnetic release | |
| Electrical endurance | عمر الکتریکی | 6,000 operations | | 8,000 operations | |
| Mounting method | طریقه نصب | 35 mm DIN rail | | 35 mm DIN rail | |
| Width | عرض | 17.8 mm per pole | | 17.8 mm per pole | |
| Terminal | نوع ترمینال | Lug type (cable up to 25 mm ²) Dual type (Lug & Screw) | | Lug type (cable up to 25 mm ²) | |
| Optional Accessories | تجهیزات جانبی انتخابی |  1 changeover contact 6A at 240VAC, 3A at 415VAC (AX) 6A at 230VAC, 3A at 415VAC (AL) 2A at 48VDC, 1A at 125VDC Lug terminal Cable capacity 2.5 mm ² 9 mm wide | |  1 changeover contact 6A at 240VAC, 3A at 415VAC (AX/AL) 6A at 24VDC, 2A at 48VDC, 1A at 130VDC Lug terminal Cable capacity 0.75 ~ 2.5 mm ² 8.8 mm wide | |
| Auxiliary Switch, AX | کنتاکت کمکی | | | | |
| Alarm Switch, AL | کنتاکت هشدار | | | | |
| Dimension | ابعاد | See drawing 1 | | See drawing 2 | |
| Characteristic curve | منحنی مشخصه | See curve 1 | | See curve 1 | |

Drawing 1 Type : BKN & BKN - c : نقشه ابعادی ۱ ، مدل : Drawing 2 Type : BKN - b : نقشه ابعادی ۲ ، مدل : Drawing 3 Type : BKH





Miniature Circuit Breakers

کلیدهای مینیاتوری

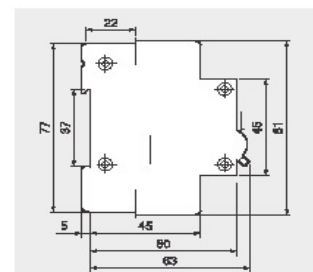
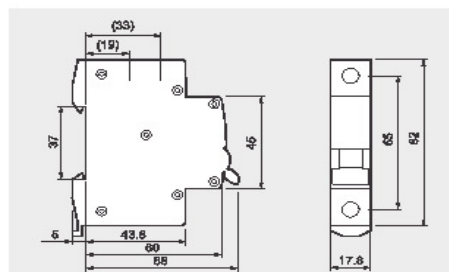
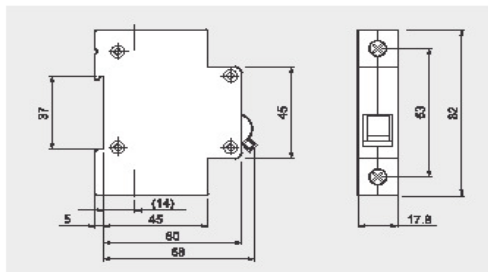
1, 2, 3 and 4 pole series up to 125AF

۱، ۲، ۳ و ۴ پل - تا ۱۲۵ آمپر



| Type | مدل های مختلف مینیاتوری | BKN | BKN - c | BKN - b | |
|----------------------|-------------------------|--|--------------------|--|---------------------|
| Protection | نوع حفاظت | Overload and short circuit | | Overload and short circuit | |
| Rated current | جریان نامی | 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A | | 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A | |
| Characteristics | نوع مشخصه | B, C, D curve | | B, C, D curve | |
| Poles | تعداد پل ها | 1p, 1p+N, 2p, 3p, 3p+N, 4p | | 1p, 1p+N, 2p, 3p, 3p+N, 4p | |
| Breaking Capacity | قدرت قطع | 1 pole | 2 ~ 4 pole | 1 pole | 2 ~ 4 pole |
| | 1 A | 6 kA at 230 / 400 VAC | 6 kA at 400 VAC | 10 kA at 230 / 400 VAC | 10 kA at 400 VAC |
| | 2 A | | | | |
| | 3 A | | | | |
| | 4 A | | | | |
| | 6 A | | | | |
| | 10 A | | | | |
| | 16 A | | | | |
| | 20 A | | | | |
| | 25 A | | | | |
| | 32 A | | | | |
| | 40 A | | | | |
| | 50 A | | | | |
| | 63 A | | | | |
| | 80 A | | | | |
| | 100 A | | | | |
| 125 A | | | | | |
| Standard | استاندارد | IEC 60898 / 60947-2 | | IEC 60898 / 60947-2 | |
| Type of trip | نوع تریپ (قطع) | Thermal magnetic release | | Thermal magnetic release | |
| Electrical endurance | عمر الکتریکی | 6,000 operations | | 8,000 operations | |
| Mounting method | طریقه نصب | 35 mm DIN rail | | 35 mm DIN rail | |
| Width | عرض | 17,8 mm per pole | | 17,8 mm per pole | |
| Terminal | نوع ترمینال | Lug type (cable up to 25 mm ²) Dual type (Lug & Screw) | | Lug type (cable up to 25 mm ²) | |
| Optional Accessories | تجهیزات جانبی انتخابی |  1 changeover contact 6A at 240VAC, 3A at 415VAC (AX) 6A at 230VAC, 3A at 415VAC (AL) 2A at 48VDC, 1A at 125VDC Lug terminal Cable capacity 2.5 mm ² 9 mm wide | |  1 changeover contact 6A at 240VAC, 3A at 415VAC (AX/AL) 6A at 24VDC, 2A at 48VDC, 1A at 130VDC Lug terminal Cable capacity 0.75 ~ 2.5 mm ² 8.8 mm wide | |
| Auxiliary Switch, AX | کنتاکت کمکی | | | | |
| Alarm Switch, AL | کنتاکت عطا | | | | |
| Dimension | ابعاد | See drawing 1 | | See drawing 2 | |
| Characteristic curve | منحنی مشخصه | See curve 1 | | See curve 1 | |

Drawing 1 Type: BKN & BKN - c : نقشه ابعادی ۱ ، مدل : Drawing 2 Type: BKN - b : نقشه ابعادی ۲ ، مدل : Drawing 3 Type: BKH



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کلیدهای مینیاتوری

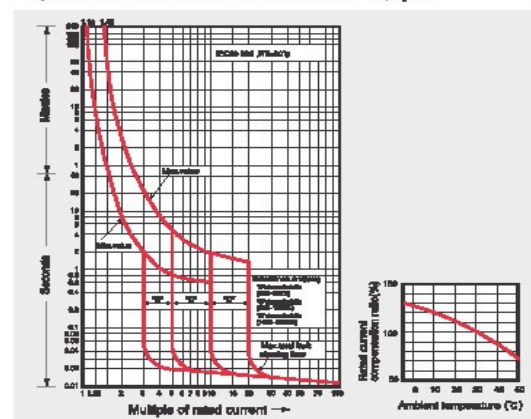


| BKH | | BKP | BFN |
|--|--|----------------------------|-----------------------------|
| Overload and short circuit | | Overload and short circuit | Overload and short circuit |
| 63, 80, 100A, 125 A | | 3, 6, 10, 16, 20, 25, 32 A | 5, 10, 15, 20, 30, 40, 50 A |
| C, D curve | | B, C, D curve | |
| 1p, 2p, 3p, 3p+N, 4p | | 1p+N | 1P, 2P, 3P |
| 1 pole | 2 ~ 4 pole | | |
| | | 4.5 kA at 230 VAC | 10 kA at 220 / 240 VAC |
| 10 kA at 230 / 400 VAC | 10 kA at 400 VAC | | |
| IEC 60847-2 | IEC 60898 | IEC 60847-2 | |
| Thermal magnetic release | Thermal magnetic release | Thermal magnetic release | |
| 6,000 operations | 20,000 operations | 10,000 operations | |
| 36 mm DIN rail | 36 mm DIN rail | Plug-in | |
| 27 mm per pole | 17.8 mm per pole | 25 mm per pole | |
| Lug type (cable up to 50 mm ²) | Lug type (cable up to 10 mm ²) | Lug type (14-8 AWG) | |
| See drawing 3 | See drawing 4 | See drawing 5 | |
| See curve 1 | See curve 1 | See curve 2 | |

Curve 1 :

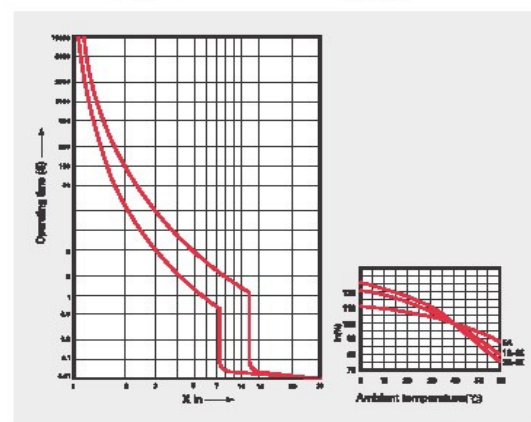
منحنی یک (۱) :

Type : BKP, BKN, BKN-b, BKH, RKP : مدل‌های :



Curve 2 , Type: BFN

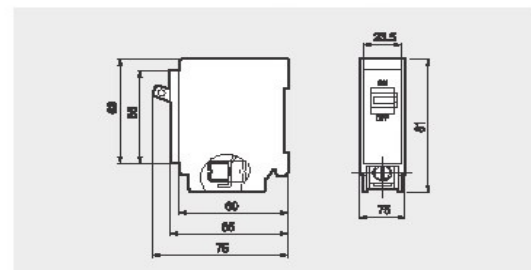
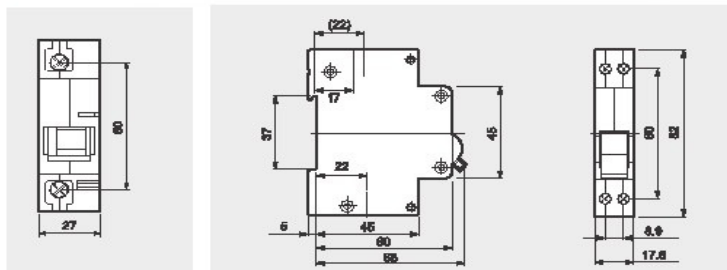
منحنی دو (۲) ، مدل :



BKH : نقشه ایادی ۳ ، مدل :

Drawing 4 Type : BKP : نقشه ایادی ۴ ، مدل :

Drawing 5 Type : BFN : نقشه ایادی ۵ ، مدل :

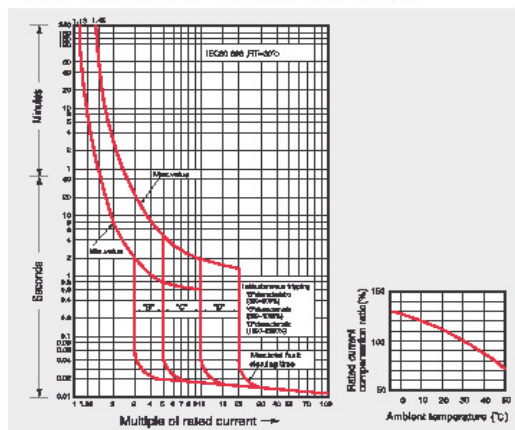




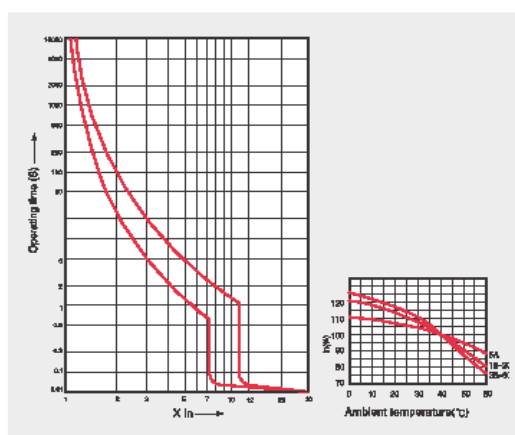
| BKH | | BKP | BFN |
|--|------------------|--|-----------------------------|
| Overload and short circuit | | Overload and short circuit | Overload and short circuit |
| 63, 80, 100A, 125A | | 3, 6, 10, 16, 20, 25, 32 A | 5, 10, 15, 20, 30, 40, 50 A |
| C, D curve | | B, C, D curve | |
| 1p, 2p, 3p, 3p+N, 4p | | 1p+N | 1P, 2P, 3P |
| 1 pole | 2~4 pole | | |
| | | 4.5 kA at 230 VAC | 10 kA at 220 / 240 VAC |
| 10 kA at 230 / 400 VAC | 10 kA at 400 VAC | | |
| IEC 60947-2 | | IEC 60898 | IEC 60947-2 |
| Thermal magnetic release | | Thermal magnetic release | Thermal magnetic release |
| 6,000 operations | | 20,000 operations | 10,000 operations |
| 35 mm DIN rail | | 35 mm DIN rail | Plug-in |
| 27 mm per pole | | 17.8 mm per pole | 25 mm per pole |
| Lug type (cable up to 50 mm ²) | | Lug type (cable up to 10 mm ²) | Lug type (14-6 AWG) |
| See drawing 3 | | See drawing 4 | See drawing 5 |
| See curve 1 | | See curve 1 | See curve 2 |

Curve 1 : منحنی یک (۱) :

Type : BKP, BKN, BKN-b, BKH, RKP : مدل‌های :



Curve 2, Type : BFN : منحنی دو (۲) ، مدل :



BKH : نقشه ابعادی ۳ ، مدل :

Drawing 4 Type : BKP : نقشه ابعادی ۴ ، مدل :

Drawing 5 Type : BFN : نقشه ابعادی ۵ ، مدل :

