

# Residual current circuit breaker with overload protection PFL10

## Residual current circuit breaker with overload protection PFL10 (10kA) (ELM)



### Product Description

- Electromagnetic residual current breaker PF10 with overload protection, is widely used in commercial / residential construction and electrical equipment, providing overload and short circuit protection for devices and circuits, additional fire and electric shock protection provide further application segment.
- Integrated functions of overload, short circuit and residual current protection, the insulation co-ordination function allows the application as main switch of indoor switchgear.
- Tripping is line voltage independent, make sure it's still effective when system voltage drops.
- Compact design, and only 35mm wide (2 modules).
- Several rated residual currents: 10, 30, 300mA for different applications.
- Rated currents: 6-40A.
- Unique design for anti-surge current, prevent the system from fault tripping when lightning stroke or surge current impulse, ensure the system continuous operating.
- Poles: 1P+N.
- Instantaneous tripping characteristics: C.
- Rated breaking capacity: 10kA.
- Visible contact position indicator, indicating the status for safety operation.
- Comprehensive range of accessories: auxiliary contact, alarm contact, shunt trip, under-voltage trip.
- Undergo extreme ambient cycling tests: wind power application, electric vehicle charge station, etc. And carry a robust operating temperature range.
- Meet the latest international and national standards: IEC/EN 61009 and GB 16917.

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1-pole +N



## Conditional surge current-proof 250A, Type AC , Instantaneous

| $I_n/I_{\Delta n}$ (A) | Type designation  | Article No. | Units per package |
|------------------------|-------------------|-------------|-------------------|
| <b>Curve C</b>         |                   |             |                   |
| 6/001                  | PFL10-6/1N/C/001  | 294784      | 6                 |
| 10/001                 | PFL10-10/1N/C/001 | 294785      | 6                 |
| 13/001                 | PFL10-13/1N/C/001 | 294786      | 6                 |
| 16/001                 | PFL10-16/1N/C/001 | 294787      | 6                 |
| 6/03                   | PFL10-6/1N/C/03   | 294796      | 6                 |
| 10/03                  | PFL10-10/1N/C/03  | 294797      | 6                 |
| 13/03                  | PFL10-13/1N/C/03  | 294798      | 6                 |
| 16/03                  | PFL10-16/1N/C/03  | 294799      | 6                 |
| 20/03                  | PFL10-20/1N/C/03  | 294800      | 6                 |
| 25/03                  | PFL10-25/1N/C/03  | 294801      | 6                 |
| 32/03                  | PFL10-32/1N/C/03  | 294802      | 6                 |
| 40/03                  | PFL10-40/1N/C/03  | 294803      | 6                 |
| 6/003                  | PFL10-6/1N/C/003  | 294788      | 6                 |
| 10/003                 | PFL10-10/1N/C/003 | 294789      | 6                 |
| 13/003                 | PFL10-13/1N/C/003 | 294790      | 6                 |
| 16/003                 | PFL10-16/1N/C/003 | 294791      | 6                 |
| 20/003                 | PFL10-20/1N/C/003 | 294792      | 6                 |
| 25/003                 | PFL10-25/1N/C/003 | 294793      | 6                 |
| 32/003                 | PFL10-32/1N/C/003 | 294794      | 6                 |
| 40/003                 | PFL10-40/1N/C/003 | 294795      | 6                 |

1-pole +N



## Conditional surge current-proof 250A, sensitive to residual pulsating DC, Type A , instantaneous

| $I_n/I_{\Delta n}$ (A) | Type designation    | Article No. | Units per package |
|------------------------|---------------------|-------------|-------------------|
| <b>Curve C</b>         |                     |             |                   |
| 6/001                  | PFL10-6/1N/C/001-A  | 294804      | 6                 |
| 10/001                 | PFL10-10/1N/C/001-A | 294805      | 6                 |
| 13/001                 | PFL10-13/1N/C/001-A | 294806      | 6                 |
| 16/001                 | PFL10-16/1N/C/001-A | 294807      | 6                 |
| 6/03                   | PFL10-6/1N/C/03-A   | 294816      | 6                 |
| 10/03                  | PFL10-10/1N/C/03-A  | 294817      | 6                 |
| 13/03                  | PFL10-13/1N/C/03-A  | 294818      | 6                 |
| 16/03                  | PFL10-16/1N/C/03-A  | 294819      | 6                 |
| 20/03                  | PFL10-20/1N/C/03-A  | 294820      | 6                 |
| 25/03                  | PFL10-25/1N/C/03-A  | 294821      | 6                 |
| 32/03                  | PFL10-32/1N/C/03-A  | 294822      | 6                 |
| 40/03                  | PFL10-40/1N/C/03-A  | 294823      | 6                 |
| 6/003                  | PFL10-6/1N/C/003-A  | 294808      | 6                 |
| 10/003                 | PFL10-10/1N/C/003-A | 294809      | 6                 |
| 13/003                 | PFL10-13/1N/C/003-A | 294810      | 6                 |
| 16/003                 | PFL10-16/1N/C/003-A | 294811      | 6                 |
| 20/003                 | PFL10-20/1N/C/003-A | 294812      | 6                 |
| 25/003                 | PFL10-25/1N/C/003-A | 294813      | 6                 |
| 32/003                 | PFL10-32/1N/C/003-A | 294814      | 6                 |
| 40/003                 | PFL10-40/1N/C/003-A | 294815      | 6                 |