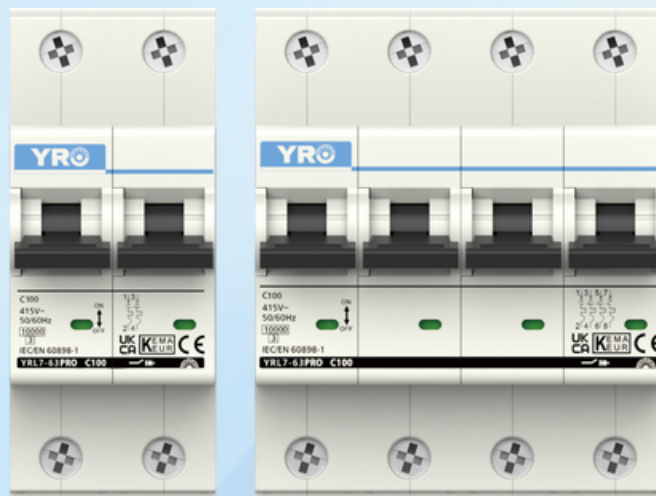


YRL7-63 6kA SERIES YRL7-63 PRO 10kA SERIES

AC Miniature Circuit Breaker



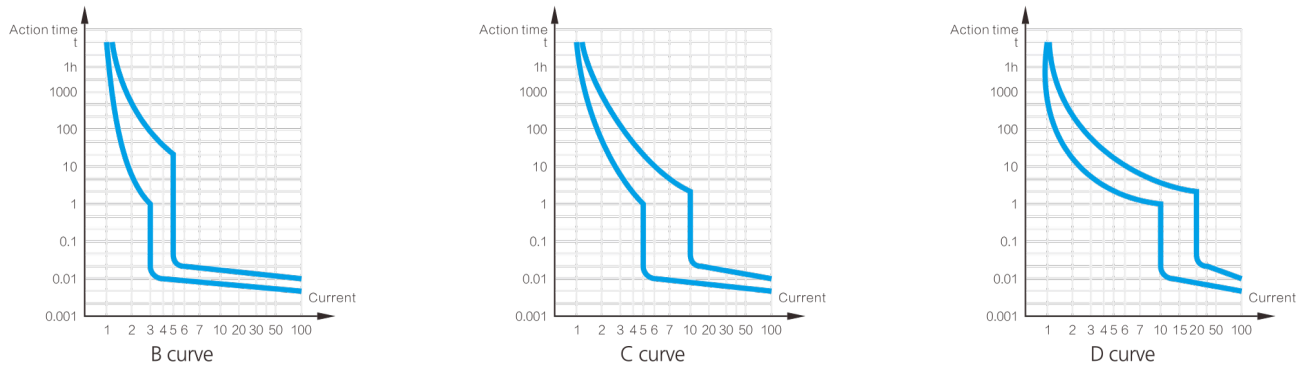
Application

- IEC 60898 10kA MCB can 100% pass 10kA
- Over 20,000 cycles mechanical and electrical endurance operation

Technical Data

Electrical Features	
Rated current (In)	1-63A
Pole	1P 2P 3P 4P
Rated voltage (Ue)	1P: 240/415V~ 2/3/4P: 415~
Insulation voltage (Ui)	500V
Rated frequency	50/60Hz
Rated breaking capacity (Icn)	10kA
Rated operating short circuit breaking capacity (Ics)	7.5kA
Energy limiting class	3
Tripping curve	BCD
Electrical and Mechanical life	20000
Rated current	1:1A, 2:2A, 3:3A, 4:4A, 6:6A, 10:10A, 16:16A, 20:20A, 25:25A, 32:32A, 40:40A, 50:50A, 63:63A
Combination with accessories	
Auxillary contact	YES
Alarm contact	YES
Shunt release	YES
Under voltage release	YES

Tripping Characteristics



Overload Current Protection Characteristics						
Test Procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B C D	1.13In	Cold	$t \leq 1h$	no tripping	
B	B C D	1.45In	After test A	$t \leq 1h$	tripping	The current steadily rises to the specified value within 5s
C	B C D	2.55In	Cold	$1s < t < 60s (I_n \leq 32A), 1s < t < 120s (I_n > 32A)$	tripping	
D	B	3In	Cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5In				
	D	10In				
E	B	5In	Cold	$t \leq 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10In				
	D	20In				

Package Information				Storage
Current	Pole	Box	Carton	
63A/32A	1P	12	120	Products should be stored in the warehouse where there is ventilation. The relative humidity there should not exceed 80%, and the ambient temperature there is between -40°C to +85°C. In addition, there should not be acidic, alkaline and corrosive gas in the air.
	2P	6	60	
	3P	4	40	
	4P	3	30	

Reduction Coefficient

Altitude reduction coefficient				
Altitude (m)	2000	3000	4000	5000
Rated Current (In)	1	0.97	0.91	0.86
Rated Insulation (Ui)	1	0.90	0.82	0.76
Power-Frequency Dielectric Strength	1	0.90	0.82	0.76
Rated Impact Tolerance Voltage (Uimp)	1	0.90	0.82	0.76
Values Of Rated Shour-Circuit Capacity (Icn)	1	0.87	0.77	0.67
Electrical Life (Cycles)	1	0.87	0.77	0.67

YRL7-63 PRO SERIES

AC Miniature Circuit Breaker



Temperature reduction coefficient

	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
16A	1.24	1.22	1.20	1.18	1.16	1.14	1.11	1.09	1.07	1.05	1.02	1.00	1.00	1.00	1.00	0.90	0.87	0.84	0.81
20A	1.23	1.21	1.19	1.17	1.15	1.13	1.11	1.09	1.07	1.05	1.02	1.00	1.00	1.00	1.00	0.90	0.87	0.84	0.81
25A	1.24	1.22	1.20	1.18	1.16	1.14	1.11	1.09	1.07	1.05	1.02	1.00	1.00	1.00	1.00	0.90	0.87	0.85	0.82
32A	1.23	1.21	1.19	1.17	1.15	1.13	1.11	1.09	1.07	1.04	1.02	1.00	1.00	1.00	1.00	0.91	0.88	0.85	0.78
40A	1.23	1.21	1.19	1.17	1.15	1.13	1.11	1.09	1.07	1.05	1.02	1.00	1.00	1.00	1.00	0.91	0.88	0.85	0.82
50A	1.23	1.21	1.19	1.17	1.15	1.13	1.11	1.09	1.07	1.05	1.02	1.00	1.00	1.00	1.00	0.91	0.88	0.85	0.82
63A	1.27	1.25	1.22	1.20	1.18	1.15	1.13	1.11	1.08	1.05	0.87	1.00	1.00	1.00	1.00	0.88	0.85	0.82	0.78
80A	1.27	1.25	1.22	1.20	1.18	1.15	1.13	1.11	1.08	1.05	0.87	1.00	1.00	1.00	1.00	0.88	0.85	0.82	0.78

Installation

Contact position indicator	Yes
Protection degree	IP20
Reference temperature for setting of thermal element	30°C
Ambient temperature	-5~+40°C and its average over a period of 24h does not exceed +35°C
Storage temperature	-25~+ 70°C
Terminal connection type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	25mm ²
Tightening torque	2.5N.m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

Dimensions

Unit: mm

