

IDEAL
match



IDEAL TS
by Kanlux

New models of switches of series:

KMB, KRD, KRO 10kA

10kA IDEAL TS switches by Kanlux

10
kA

New **IDEAL TS** modular devices models by Kanlux. **Safety, reliability and readiness for the future.**



Effective shutdown of significantly higher short-circuit currents - full protection even in the most demanding parts of the installation.

Maximum installation safety - reliable operation in all working conditions.

Possible installation closer to the transformer and in places with high short-circuit capacity - without compromises or restrictions.

High durability and mechanical resistance – design created for long, trouble-free operation.

Safety margin for future expansion – an investment that grows with the installation.



UP TO 5-YEAR WARRANTY

Kanlux
FACTORY

OWN PRODUCTION



TRUST AMONG
ELECTRICAL INSTALLERS

Kanlux
LAB

OWN RESEARCH
LABORATORY



KRD10 – Residual current device with a short-circuit capacity of 10 kA is designed for use in installations where high short-circuit currents are expected, e.g., near a transformer or in main switchboards. It provides greater resistance to the effects of short circuits than standard 6 kA devices, thus increasing the safety and reliability of the electrical installation.

Type of residual current device:

AC - Alternating current (AC) only

A - Alternating current (AC) + pulsating direct current (DC)

F - AC + pulsating direct current + current with a frequency ranging from 0 to 1 kHz

B - AC + pulsating direct current + direct current (DC)



KRO10 – Residual current device with over-current protection combines residual current protection and overload, and short-circuit protection in a single device.

It is designed to withstand short-circuit currents of up to 10 kA, ensuring safe operation in the event of sudden high current flows. **AC** and **A** types of residual current devices are available with additional type **B** and **C** over-current components.



KMB10 - Over-current devices protect electrical circuits against overload and the effects of short circuits. These switchers are capable of safely disconnecting the circuit in the event of high short-circuit currents, ensuring protection of the installation and connected devices.

They are available in type B and C trip versions, in a wide range of rated currents and in **1P, 2P, 3P,** and **4P** configurations.



KRD residual current device

Let's take a closer look at the new series by examining its name.

KRD 10 - 4 / 40 / 30 - B

I_{nc} - rated conditional short-circuit current 10kA

Number of poles - 2P and 4P models available

I_n - rated continuous operating current, range: from 16A to 100A

I_{Δn} - rated differential operating current
- available: 300mA, 100mA, 30mA, 10mA

Type of differential current release
Available: AC, A, F, B



KMB over-current device

KMB 10 - B10 / 3

I_{cu} - rated short-circuit breaking capacity - 6kA, 10kA

Triggering characteristics
Available: B, C

I_n - rated continuous operating current, range: from 1A to 63A

Number of poles
Available: 1P, 2P, 3P, 4P



Residual current device with
KRO current element

KRO 10 - B10 / 30 - B

I_{cu} - rated short-circuit breaking capacity - 6kA, 10kA

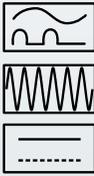
Triggering characteristics
Available: B, C

I_n - rated continuous operating current, range: from 6A to 32 A

**I_{Δn} - rated differential operating current
- available: 30mA**

Type of residual current device
Available: AC, A

Example application depending on the type of switch

Device type		Example application
Type AC – sensitive to alternating differential current		Household with electrical appliances (resistance heaters, classic lighting) without electronic devices.
Type A – sensitive to alternating differential currents and pulsating DC currents		Household installations with electronic devices – LCD TVs, computers, printers, washing machines, air conditioners
Type F – sensitive to alternating differential currents, pulsating DC currents, and distorted currents with frequencies up to 1 kHz		Installations with single-phase electronically controlled devices, e.g., washing machines and dryers with inverter motors, heat pumps (single-phase), air conditioners, modern household appliances
Type B – sensitive to alternating differential currents and pulsating DC currents up to 1000Hz and to smoothed DC currents		Installations with frequency converters, photovoltaic systems (on the AC side), electric vehicle charging stations



KRD10 - All available models are listed in the table below

Name	Index	LB	In	IΔn	Type
KRD10-2/16/10-AC	38720	2P	16A	10mA	AC
KRD10-2/25/30-AC	38724	2P	25A	30mA	AC
KRD10-2/40/30-AC	38729	2P	40A	30mA	AC
KRD10-2/63/30-AC	38732	2P	63A	30mA	AC
KRD10-2/25/100-AC	38722	2P	25A	100mA	AC
KRD10-2/40/100-AC	38727	2P	40A	100mA	AC
KRD10-2/63/100-AC	38731	2P	63A	100mA	AC
KRD10-2/25/300-AC	38726	2P	25A	300mA	AC
KRD10-4/100/30-AC	38733	4P	100A	30mA	AC
KRD10-4/25/30-AC	38737	4P	25A	30mA	AC
KRD10-4/40/30-AC	38741	4P	40A	30mA	AC
KRD10-4/63/30-AC	38745	4P	63A	30mA	AC
KRD10-4/25/100-AC	38735	4P	25A	100mA	AC
KRD10-4/40/100-AC	38739	4P	40A	100mA	AC
KRD10-4/63/100-AC	38743	4P	63A	100mA	AC
KRD10-4/40/300-AC	38749	4P	40A	300mA	AC
KRD10-4/63/300-AC	38747	4P	63A	300mA	AC
KRD10-2/16/10-A	38721	2P	16A	10mA	A
KRD10-2/25/30-A	38725	2P	25A	30mA	A
KRD10-2/40/30-A	38730	2P	40A	30mA	A
KRD10-2/63/30-A	38548	2P	63A	30mA	A
KRD10-2/25/100-A	38723	2P	25A	100mA	A
KRD10-2/40/100-A	38728	2P	40A	100mA	A
KRD10-2/25/300-A	38549	2P	25A	300mA	A
KRD10-4/100/30-A	38734	4P	100A	30mA	A
KRD10-4/25/30-A	38738	4P	25A	30mA	A
KRD10-4/40/30-A	38742	4P	40A	30mA	A
KRD10-4/63/30-A	38746	4P	63A	30mA	A
KRD10-4/25/100-A	38736	4P	25A	100mA	A
KRD10-4/40/100-A	38740	4P	40A	100mA	A
KRD10-4/63/100-A	38744	4P	63A	100mA	A
KRD10-4/40/300-A	38748	4P	40A	300mA	A
KRD10-2/16/30-F	45769	2P	16A	30mA	F

Name	Index	LB	In	IΔn	Type
KRD10-2/25/30-F	45770	2P	25A	30mA	F
KRD10-2/40/30-F	45771	2P	40A	30mA	F
KRD10-2/25/100-F	45772	2P	25A	100mA	F
KRD10-2/40/100-F	45773	2P	40A	100mA	F
KRD10-2/25/300-F	45774	2P	25A	300mA	F
KRD10-2/40/300-F	45775	2P	40A	300mA	F
KRD10-4/25/30-F	45776	4P	25A	30mA	F
KRD10-4/32/30-F	45777	4P	32A	30mA	F
KRD10-4/40/30-F	45778	4P	40A	30mA	F
KRD10-4/63/30-F	45779	4P	63A	30mA	F
KRD10-4/32/100-F	45780	4P	32A	100mA	F
KRD10-4/63/100-F	45781	4P	63A	100mA	F
KRD10-4/40/300-F	45782	4P	40A	300mA	F
KRD10-4/63/300-F	45783	4P	63A	300mA	F
KRD10-2/25/30-B	38530	2P	25A	30mA	B
KRD10-2/40/30-B	38531	2P	40A	30mA	B
KRD10-2/63/30-B	38532	2P	63A	30mA	B
KRD10-2/25/100-B	38533	2P	25A	100mA	B
KRD10-2/40/100-B	38534	2P	40A	100mA	B
KRD10-2/63/100-B	38535	2P	63A	100mA	B
KRD10-2/25/300-B	38536	2P	25A	300mA	B
KRD10-2/40/300-B	38537	2P	40A	300mA	B
KRD10-2/63/300-B	38538	2P	63A	300mA	B
KRD10-4/25/30-B	38539	4P	25A	30mA	B
KRD10-4/40/30-B	38540	4P	40A	30mA	B
KRD10-4/63/30-B	38541	4P	63A	30mA	B
KRD10-4/25/100-B	38542	4P	25A	100mA	B
KRD10-4/40/100-B	38543	4P	40A	100mA	B
KRD10-4/63/100-B	38544	4P	63A	100mA	B
KRD10-4/25/300-B	38545	4P	25A	300mA	B
KRD10-4/40/300-B	38546	4P	40A	300mA	B
KRD10-4/63/300-B	38547	4P	63A	300mA	B

KMB10 - All available models are listed in the table below

Name	Index	LB	In	Type
KMB10-B2/1	39338	1	2	B
KMB10-B4/1	39351	1	4	B
KMB10-B6/1	39360	1	6	B
KMB10-B10/1	39329	1	10	B
KMB10-B13/1	39333	1	13	B
KMB10-B16/1	39334	1	16	B
KMB10-B20/1	39339	1	20	B
KMB10-B25/1	39343	1	25	B
KMB10-B32/1	39347	1	32	B
KMB10-B40/1	39352	1	40	B
KMB10-B50/1	39356	1	50	B
KMB10-B63/1	39364	1	63	B
KMB10-C2/1	39378	1	2	C
KMB10-C4/1	39394	1	4	C
KMB10-C6/1	39320	1	6	C
KMB10-C10/1	39368	1	10	C
KMB10-C13/1	39372	1	13	C
KMB10-C16/1	39374	1	16	C
KMB10-C20/1	39382	1	20	C
KMB10-C25/1	39386	1	25	C
KMB10-C32/1	39390	1	32	C
KMB10-C40/1	39395	1	40	C
KMB10-C50/1	39399	1	50	C
KMB10-C63/1	39324	1	63	C
KMB10-B6/2	39361	2	6	B
KMB10-B10/2	39330	2	10	B
KMB10-B16/2	39335	2	16	B
KMB10-B20/2	39340	2	20	B
KMB10-B25/2	39344	2	25	B
KMB10-B32/2	39348	2	32	B
KMB10-B40/2	39353	2	40	B
KMB10-B50/2	39357	2	50	B
KMB10-B63/2	39365	2	63	B
KMB10-C2/2	39379	2	2	C
KMB10-C6/2	39321	2	6	C
KMB10-C10/2	39369	2	10	C
KMB10-C16/2	39375	2	16	C
KMB10-C20/2	39383	2	20	C
KMB10-C25/2	39387	2	25	C
KMB10-C32/2	39391	2	32	C
KMB10-C40/2	39396	2	40	C

Name	Index	LB	In	Type
KMB10-C50/2	39317	2	50	C
KMB10-C63/2	39325	2	63	C
KMB10-B6/3	39362	3	6	B
KMB10-B10/3	39331	3	10	B
KMB10-B16/3	39336	3	16	B
KMB10-B20/3	39341	3	20	B
KMB10-B25/3	39345	3	25	B
KMB10-B32/3	39349	3	32	B
KMB10-B40/3	39354	3	40	B
KMB10-B50/3	39358	3	50	B
KMB10-B63/3	39366	3	63	B
KMB10-C2/3	39380	3	2	C
KMB10-C6/3	39322	3	6	C
KMB10-C10/3	39370	3	10	C
KMB10-C13/3	39373	3	13	C
KMB10-C16/3	39376	3	16	C
KMB10-C20/3	39384	3	20	C
KMB10-C25/3	39388	3	25	C
KMB10-C32/3	39392	3	32	C
KMB10-C40/3	39397	3	40	C
KMB10-C50/3	39318	3	50	C
KMB10-C63/3	39326	3	63	C
KMB10-B6/4	39363	4	6	B
KMB10-B10/4	39332	4	10	B
KMB10-B16/4	39337	4	16	B
KMB10-B20/4	39342	4	20	B
KMB10-B25/4	39346	4	25	B
KMB10-B32/4	39350	4	32	B
KMB10-B40/4	39355	4	40	B
KMB10-B50/4	39359	4	50	B
KMB10-B63/4	39367	4	63	B
KMB10-C2/4	39381	4	2	C
KMB10-C6/4	39323	4	6	C
KMB10-C10/4	39371	4	10	C
KMB10-C16/4	39377	4	16	C
KMB10-C20/4	39385	4	20	C
KMB10-C25/4	39389	4	25	C
KMB10-C32/4	39393	4	32	C
KMB10-C40/4	39398	4	40	C
KMB10-C50/4	39319	4	50	C
KMB10-C63/4	39327	4	63	C

KRO10 - Wszystkie dostępne modele zestawione w poniższej tabeli

Name	Index	LB	IΔn	In	Typ	Trigger characteristics
KRO10-2/B6/30	32888	2	30mA	6A	AC	B
KRO10-2/B10/30	32882	2	30mA	10A	AC	B
KRO10-2/B16/30	32884	2	30mA	16A	AC	B
KRO10-2/B20/30	32886	2	30mA	20A	AC	B
KRO10-2/B25/30	32887	2	30mA	25A	AC	B
KRO10-2/C10/30	32889	2	30mA	10A	AC	C
KRO10-2/C16/30	32891	2	30mA	16A	AC	C
KRO10-2/C20/30	39311	2	30mA	20A	AC	C
KRO10-2/C25/30	39313	2	30mA	25A	AC	C
KRO10-2/C32/30	39315	2	30mA	32A	AC	C
KRO10-2/B10/30-A	32883	2	30mA	10A	A	B
KRO10-2/B16/30-A	32885	2	30mA	16A	A	B
KRO10-2/B20/30-A	39310	2	30mA	20A	A	B
KRO10-2/C10/30-A	32890	2	30mA	10A	A	C
KRO10-2/C16/30-A	32892	2	30mA	16A	A	C
KRO10-2/C20/30-A	39312	2	30mA	20A	A	C
KRO10-2/C25/30-A	39314	2	30mA	25A	A	C
KRO10-2/C32/30-A	39316	2	30mA	32A	A	C