

MRO.DR1 FUSE SWITCH DISCONNECTOR



PRODUCT APPLICATION

MRO.DR1 series of fuse-switch-disconnector are mainly used in circuits with high short-circuit current and motor circuit as power switch, disconnecting switch, emergency switch and circuit protection. It is not suitable to switch a single motor directly.

PRODUCT FEATURES

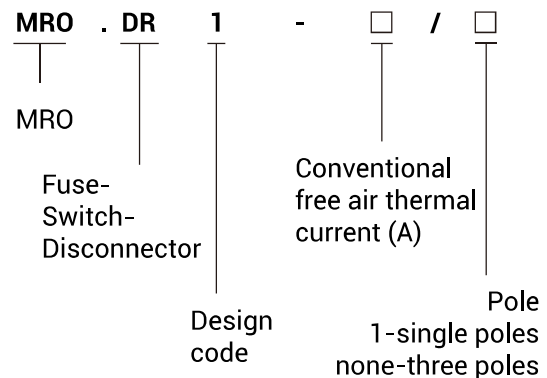
- A. The switch with half sealed structures is made up of two parts: the seat and cover (the fuse holder). Through the window in the cover, it can observe the rated data of the NT fuse and indicator status. The switch should be matched with the appropriate size of NT Fuse accordingly. MRO.DR1-160/1 is single-pole and MRO.DR1-160 is three-pole, both can be matched with size 00 NT fuse. MRO.DR1-250/1, MRO.DR1-400/1, MRO.DR1-630/1 are single-pole and MRO.DR1-250, MRO.DR1-400, MRO.DR1-630 are three-pole. They are matched with size 1, 2, 3 NT Fuse separately. The three-pole switch can be combined with the single-pole version with the same size into four-pole switch.
- B. The switch has the features of small size, reliable operation, convenient installation and removal.
- C. All of these products, except for conductive parts, all are the finger-touch protection: IP20.
Compliance with GB14048.3 and IEC/EN60947-3.

PRODUCT DESCRIPTION

MRO.DR1 series of fuse-switch-disconnector is the newest developing from various products combination of products, it combines fusing protection, isolation and switching in order to make the distribution unit smaller, more reasonable and attractive.

For MRO.DR1 series of fuse-switch-disconnector, the rated insulation voltage is up to AC 50Hz 800V, the rated working voltage up to 690V and the rated working current up to 630A.

CATALOG NUMBER



RATED MAKING AND BREAKING CAPACITIES

Rated operational voltage (V)	Rated operational current (A)	Utilization category	Rated making and breaking capacities					
			Making			Breaking		
			I/le	U/Ue	Cosphi	I/le	U/Ue	Cosphi
690	All current	AC21B	1.5	1.05	0.95	1.5	1.05	0.95
500	All current	AC22B	3	1.05	0.65	3	1.05	0.65
400	< 100	AC23B	10	1.05	0.45	8	1.05	0.45
	> 100	AC23B	10	1.05	0.35	8	1.05	0.35

TECHNICAL DATA

Rated insulation voltage: 800V.
Rated operational voltage: 400V, 500V, 690V.

The ratings on various operational voltage and utilization category

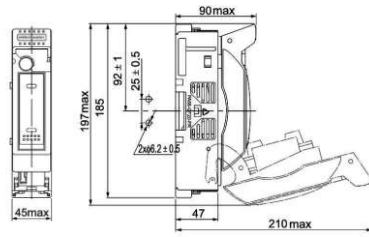
Rated operational voltage:	690V	500V	230/400V
Utilization category:	AC21B	AC22B	AC23B
Breaking capacity of NT Fuse:	50kA	100kA	100kA

Note:

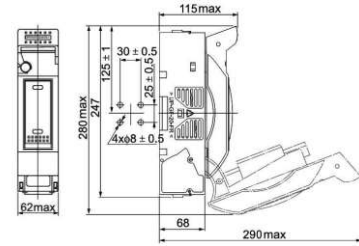
I: making current. Ie: rated operational current. Ic: breaking current. U: making voltage. Ue: rated operational voltage. Ur: recovery voltage



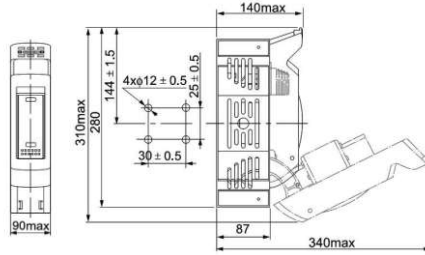
DR1-1 Pole



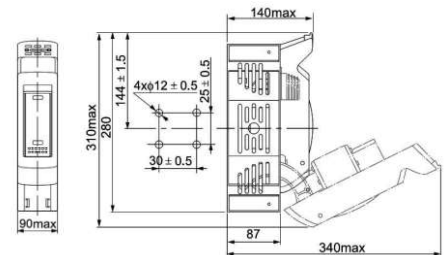
DR1-160/1



DR1-250/1



DR1-400/1

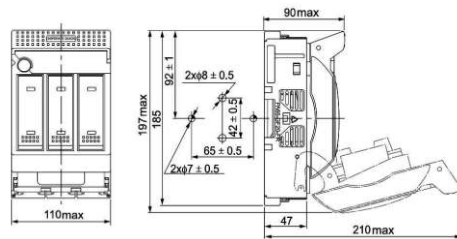


DR1-630/1

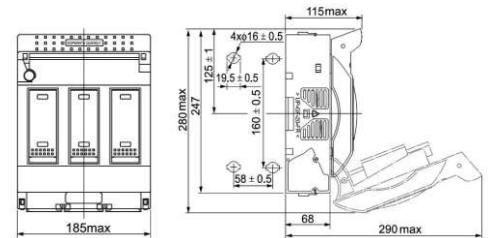
Type	Fuse-link size	Poles	Weight (g)	Code no.
Disconn Switch MRO.DR1-160	00	1	290	230601006
Disconn Switch MRO.DR1-250	1	1	735	230601012
Disconn Switch MRO.DR1-400	2	1	1302	230601018
Disconn Switch MRO.DR1-630	3	1	1492	230601024



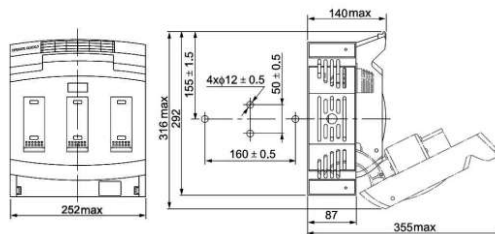
DR1-3 Pole



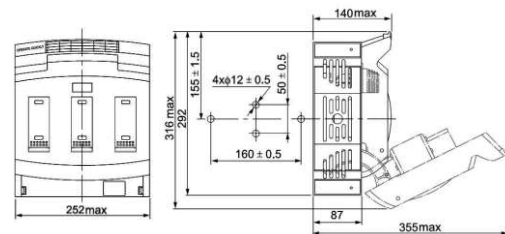
DR1-160



DR1-250



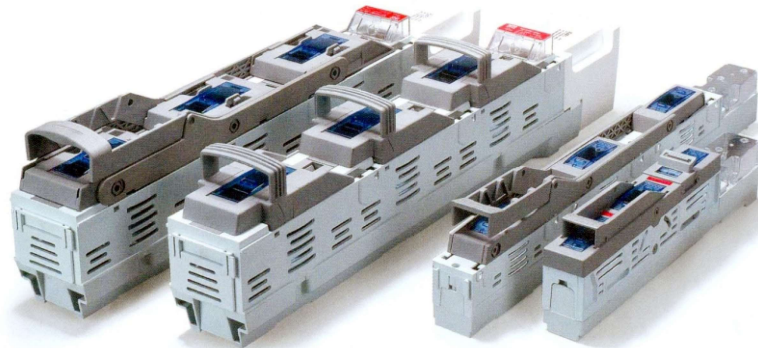
DR1-400



DR1-630

Type	Fuse-link size	Poles	Weight (g)	Code no.
Disconn Switch MRO.DR1-160	00	3	700	230701006
Disconn Switch MRO.DR1-250	1	3	1510	230701012
Disconn Switch MRO.DR1-400	2	3	3272	230701018
Disconn Switch MRO.DR1-630	3	3	3855	230701024

MRO.DR2 FUSE SWITCH DISCONNECTOR



PRODUCT APPLICATION

MRO.DR2 series of fuse-switch-disconnector are mainly used in circuits with high short circuit current and motor circuit as power switch, disconnecting switch, emergency switch and circuit protection. It is not suitable to switch a single motor directly.

PRODUCT FEATURES

- A. The switch with half sealed structures is made up of go parts: the seat and cover (the fuse holder). Through the window in the cover, it can observe the rated data of the NT fuse and indicator status.
- B. Installation: The switch is molded designed. There are two type connecting version available: up outgoing and down outgoing, three phases make and break simultaneously or separately. MRO.DR2-160 (50 mm in width), can be directly installed on 100 mm busbar through the incoming feeder. Suitable for NT00 size fuses. MRO.DR2-250 (102 mm in width), can be directly installed on 185 mm busbar through the incoming feeder, it also can be installed on the supporter by two 12 x 18 installation holes. Suitable for NT1 size fuses.

MRO.DR2-400 (102 mm in width), can be directly installed on 185 mm busbar through the incoming feeder, it also can be installed on the supporter by two 12 x 18 installation holes. Suitable for NT2

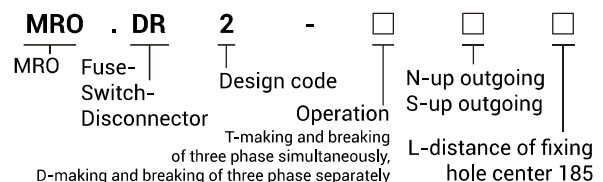
- MRO.DR2-630 (102 mm in width), can be directly installed on 185 mm busbar through the input line, it also can be installed on the supporter by two 12 x 18 installation holes. Suitable for NT3 size fuses.
- C. The switch has the features of small size, reliable operation, convenient installation and removal.
- D. All of these products, except for conductive parts, all are the finger-touch protection: IP20. Compliance with GB14048.3 and IECIEN60947-3

PRODUCT DESCRIPTION

MRO.DR2 series of fuse-switch-disconnector is the newest developing from various products combination of products, it combines fusing protection, isolation and switching in order to make the distribution unit smaller, more reasonable and attractive.

For MRO.DR2 series of fuse-switch-disconnector, the rated insulation voltage is up to AC 50Hz 1000V, the rated working voltage up to 690V and the rated working current up to 630A.

CATALOG NUMBER



RATED MAKING AND BREAKING CAPACITYS

Rated operational voltage (V)	Rated operational current (A)	Utilization category	Rated making and breaking capacitys					
			Making			Breaking		
			I/Ie	U/Ue	Cosphi	I/Ie	U/Ue	Cosphi
690	All current	AC21B	1.5	1.05	0.95	1.5	1.05	0.95
500	All current	AC22B	3	1.05	0.65	3	1.05	0.65
400	< 100	AC23B	10	1.05	0.45	8	1.05	0.45
	> 100	AC23B	10	1.05	0.35	8	1.05	0.35

Note:

I: making current. Ie: rated operational current. Ic: breaking current.
U: making voltage. Ue: rated operational voltage. Ur: recovery voltage

TECHNICAL DATA

Configuration: installation on bus bar, three phase make and break separately, and break simultaneously

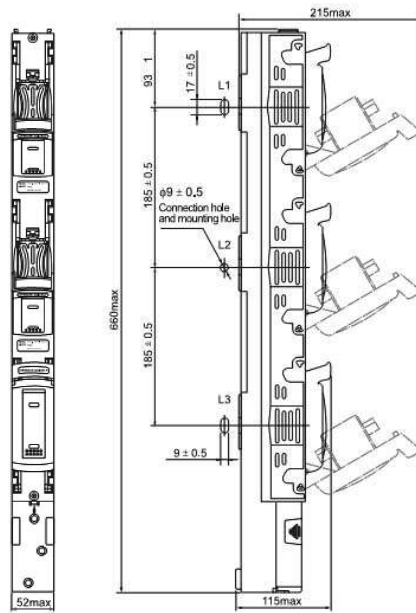
Rated insulation voltage: 1000V.

Rated operational voltage: 400, 500, 690V.

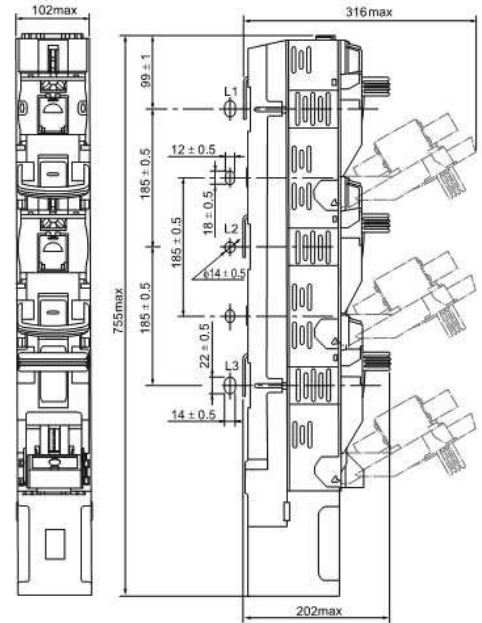
The ratings on various operational voltage and utilization category

Rated operational voltage:	690V	500V	400V
Utilization category:	AC21B	AC22B	AC23B
Breaking capacity of NT Fuse:	50kA	100kA	100kA

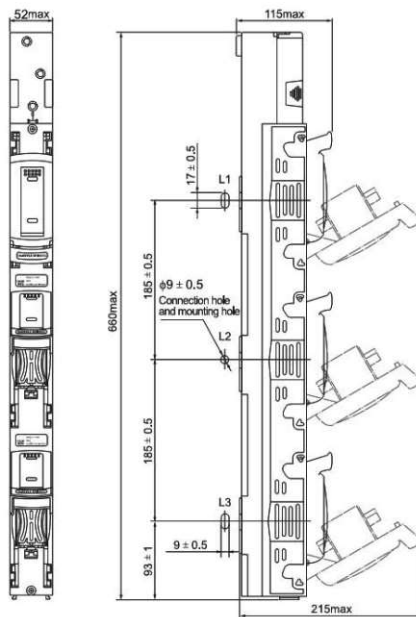
MRO.DR2 3P (break separately)



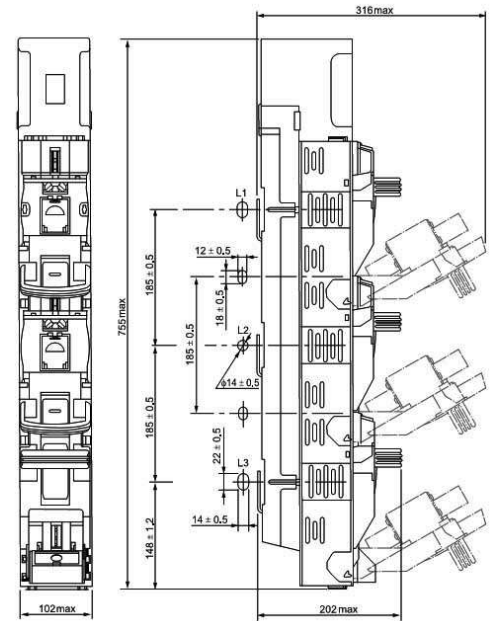
DR2-160/DSL



DR2-250/DS, DR2-400/DS & DR2-630/DS



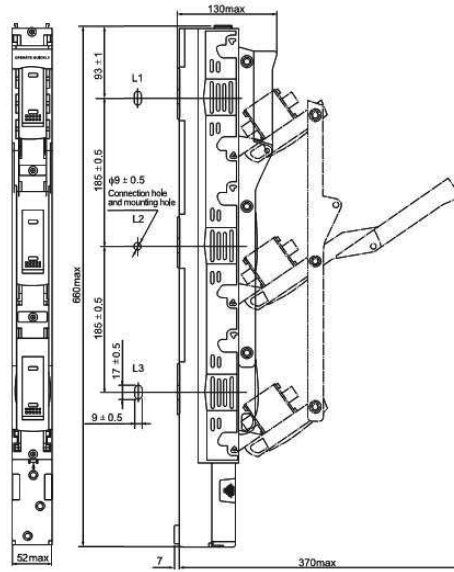
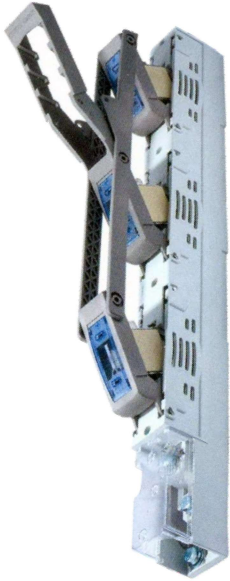
DR2-160/DNL



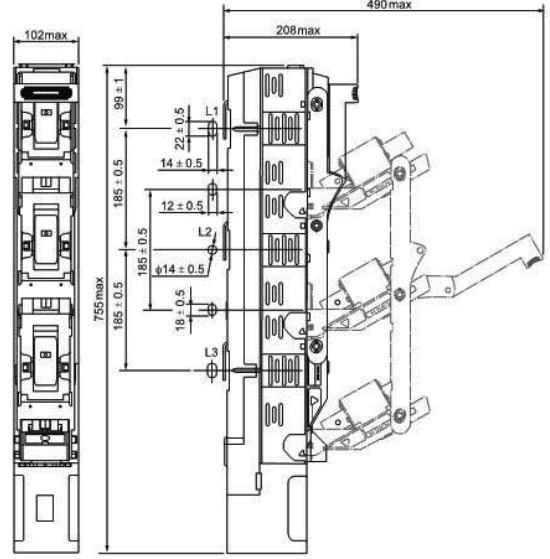
DR2-250/DN, DR2-400/DN, DR2-630/DN

Type	Fuse-link size	Poles	Outgoing cable	Weight (g)	Code no.
Disconn Switch MRO.DR2-160/DSL	00	3	Down	1543	230702006
Disconn Switch MRO.DR2-250/DS	1	3	Down	5540	230702012
Disconn Switch MRO.DR2-400/DS	2	3	Down	5540	230702018
Disconn Switch MRO.DR2-630/DS	3	3	Down	6030	230702024
Disconn Switch MRO.DR2-160/DNL	00	3	Up	1543	230702106
Disconn Switch MRO.DR2-250/DN	1	3	Up	5540	230702112
Disconn Switch MRO.DR2-400/DN	2	3	Up	5540	230702118
Disconn Switch MRO.DR2-630/DN	3	3	Up	6030	230702124

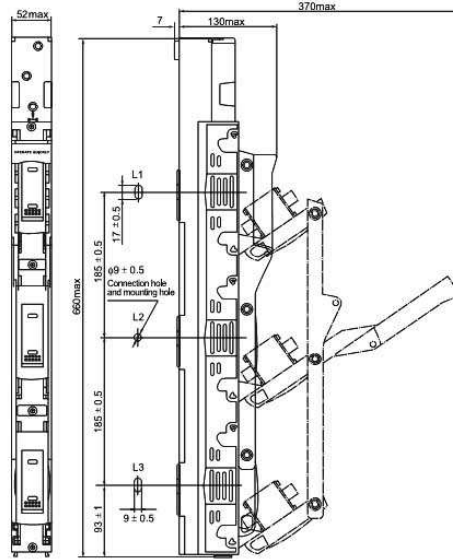
MRO.DR2 3P (break simultaneously)



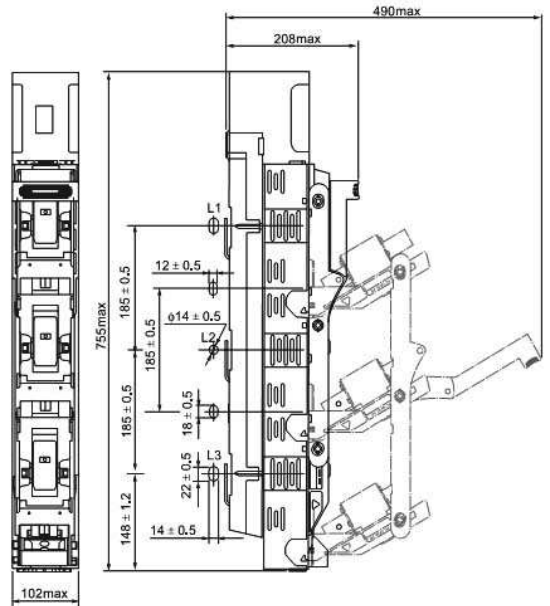
DR2-160/TSL



DR2-250/TS, DR2-400/TS, DR2-630/TS



DR2-160/TNL



DR2-250/TN, DR2-400/TN, DR2-630/TN

Type	Fuse-link size	Poles	Outgoing cable	Weight (g)	Code no.
Disconn Switch MRO.DR2-160/TSL	00	3	Down	1674	230703006
Disconn Switch MRO.DR2-250/TS	1	3	Down	5678	230703012
Disconn Switch MRO.DR2-400/TS	2	3	Down	5678	230703018
Disconn Switch MRO.DR2-630/TS	3	3	Down	6168	230703024
Disconn Switch MRO.DR2-160/TNL	00	3	Up	1674	230703106
Disconn Switch MRO.DR2-250/TN	1	3	Up	5678	230703112
Disconn Switch MRO.DR2-400/TN	2	3	Up	5678	230703118
Disconn Switch MRO.DR2-630/TN	3	3	Up	6168	230703124