TWOMASTER

TWOMASTER FSD 800 VAC

Fuse Switch Disconnector

63A-315A

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The solution for

- Protection of industrial processes
- Main switchboard
- Distribution panel
- Compensation board
- Photovoltaic Power Plants

Compliance with standards

- IEC 60947-1:2021
- IEC 60947-2:2017+A1:2020

Approvals and certifications

UDEM International Certification

Product Description

Introduction

FSD series integrate control, isolation, and fuse base function in one device. These functions can also be realized by using of di?er

Function

Fuse switch disconnector has following functions:
The load change over. The work speed and breaking capacity of the fuse is as fic

Fuse brake piece form the dynamic contact of the fuse.
Fuse is installed in the fuse base.
By manipulating the handle , the fuse base can operate the main active contact.
When the fuse base is in the OFF position(OFF), contacts can indicate information.
With DIN type blade industry fuse (NH), it can provide power distribution circuit with short circuit or overload protection.

The solution of different combined components

By using isolating switch and the fuse installed on different fuse base,it can protect the power distribution circuit and the motor.
The function of each component can provide.
The load switch (opening and closing) and isolation (isolating switch).
Short circuit or overload protection (fuse).
With the aid of these components, it has Interpact INS isolating switch function between 40A~ 800A .

In accordance with the protection degree

FSD fuse can prevent direct contact. Its protection degree conform to the IEC 60529 standard IP (20).

Conform to the standard

FSD fuses accessories meet the following international standards and national standards GB14048.3 and specifications:
IEC 60947-1 general rule.
IEC 60947-1; Switch, isolator, isolation switch and fuse composition unit.
IEC 60947-5.1 and below: control circuit devices and switching components, control components.

Class of pollution

FSD fuse is certified. It can work in levelIIIpollution environment. The pollution level is in accordance with industrial environment IEC 60947 standard.

Environment temperature

FSD fuse operating temperature range from 25 °C to + 70 °C. When the temperature is higher than 40 °C,squad coeffcent must be used.

As long as no more than a certain duration,it can operate under the condition of ambient temperature below -35 °C.

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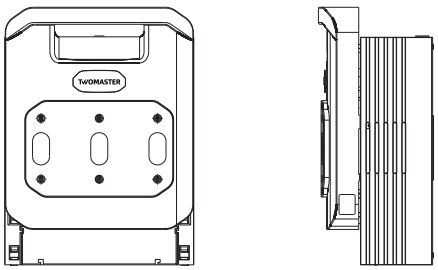
Product Code

TWOMASTER-FSD 800VAC Fuse Switch Disconnector					
Rating (A) 800VAC	**Rating (A) 690VAC**	**Fuse Size**	No. of poles	**Installation** mode	Product Code
63	160	NH00	3 Pole	Fixed Type	32623016
160	250	NH1	3 Pole	Fixed Type	32623025
250	400	NH2	3 Pole	Fixed Type	32623040
315	630	NH3	3 Pole	Fixed Type	32623063

Rating (A) 800VAC	**Rating (A) 690VAC**	**Fuse Size**	No. of poles	**Installation** mode	Product Code
63	160	NH00	3 Pole	Hang Type	32823016
160	250	NH1	3 Pole	Hang Type	32823025
250	400	NH2	3 Pole	Hang Type	32823040
315	630	NH3	3 Pole	Hang Type	32823063

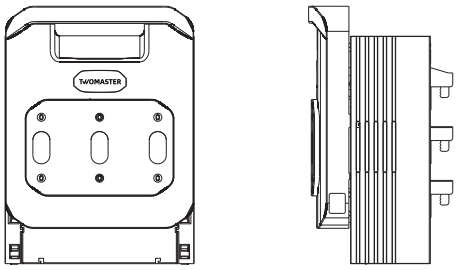
Installation mode

Fixde type



Installation mode

Hang type



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Technical Parameters

Electrical parameter				FSD-630		FSD-400			FSD-250				FSD-160		
Technical Parameter	Rated working voltage	Ue	V	AC400	AC690	AC800	AC400	AC690	AC400	AC690	AC800	DC440	AC400	AC690	AC800
	Rated working current	Ie	A	630	630	315	400	315	250	250	160	250	160	160	63
	Conventional thermal current	Ith	A	630	630	315	400	315	250	250	160	250	160	160	63
	Rated limited short-circuit current (with fuse link)		KA	100	50	100	100	50	100	50	100	100	100	50	30
	Utilization category (with fuse link)			AC-23B	AC-21B	AC-21B	AC-23B	AC-21B	AC-23B	AC-21B	AC-21B	DC-21B	AC-23B	AC-21B	AC-21B
	Rated insulation voltage	Ui	V	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000	AC1000
	Rated impulse withstand voltage	Uimp	KV	12	12	12	12	12	12	12	12	12	12	12	12
	Rated frequency		Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
	Electrical durability times		times	200	200	200	200	200	200	200	200	200	200	200	200
	Maximum torque		N.m	28	28	28	20	20	20	20	20	20	12	12	12
	Fuse Size:IEC60269-2			3	3	3	2	2	1	1	1	1	00	00	00
	Fuse Rated working current	In	A	630	630	315	400	315	250	250	160	250	160	160	63
	Fuse Loss power	Pn	W	40	60	60	34	45	23	32	32	32	12	12	12
Normal use, installation and transportation conditions	Ambient temperature			−5℃~+40℃											
	Altitude			≤2000m											
	Installation category and pollution level			III、IV							3				
	Transportation and storage			−25℃~+55℃											

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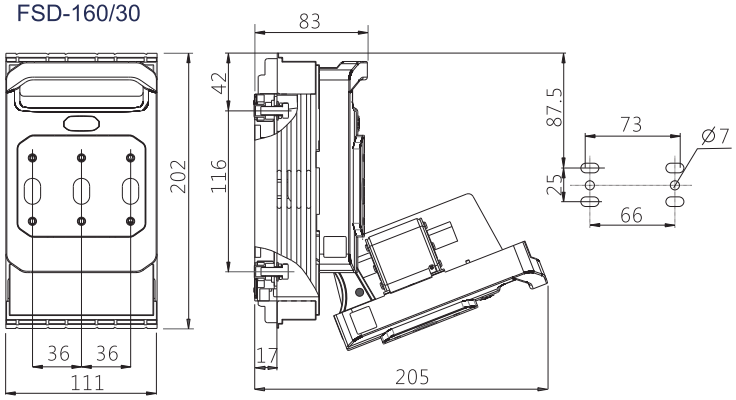
Dimensions

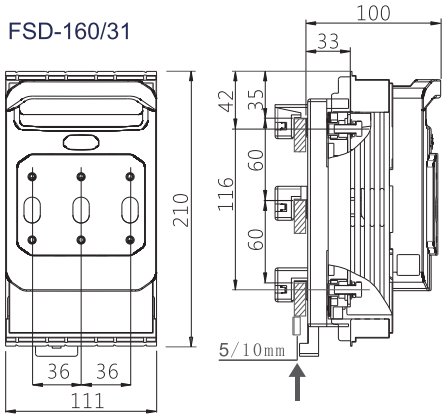
Fixed type configuration & installation dimension

FSD-160/30



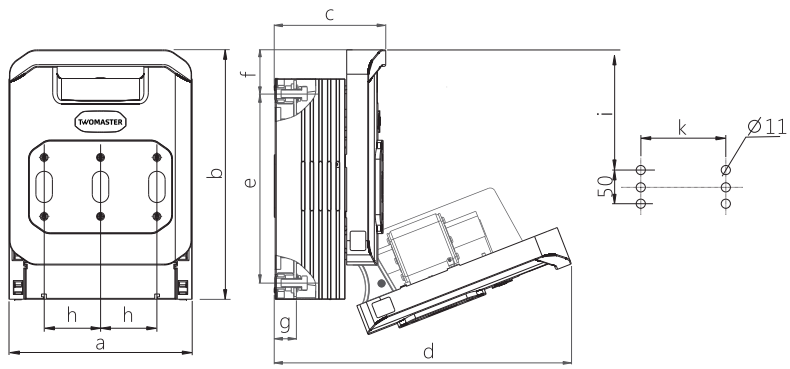
Hang type configuration & installation dimensions

FSD-160/31



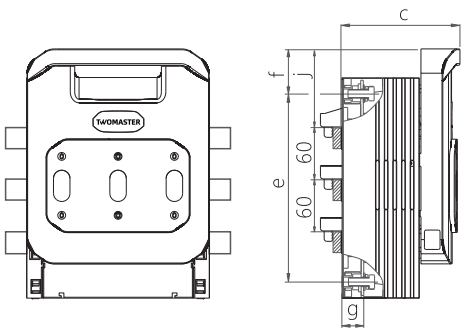
Fixed type configuration & installation dimension

FSD-250~630/30



Hang type configuration & installation dimensions

FSD-250~630/31



Specification table

model	a	b	c	d	e	f	g	h	i	j	k
FSD-250/30	185	247	111	295	185	42.5	22.5	57	110	/	114
FSD-250/31	185	247	121	305	185	42.5	32.5	57	/	67.5	/
FSD-400/30	210	288	129	344	210	52	26	65	132	/	130
FSD-400/31	210	288	137	353	210	52	34.5	65	/	90	/
FSD-630/30	256	304	146	361	211	54	30	81	135	/	162
FSD-630/31	256	304	155	370	211	54	39	81	/	90	/