DC fuse disconnectors Ex9FP
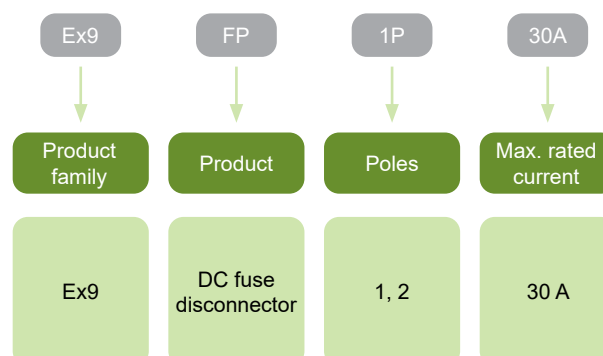
- **DC fuse disconnectors**
- **Suitable for PV systems**
- **Rated short-circuit breaking capacity I_{cn} with appropriate fuse-link up to 33 kA**
- **Rated current up to 30 A**
- **Rated operational voltage 1000 V DC**
- **Optical tripping indicator**
- **Fuse-links of size 10 x 38 mm**
- **1 and 2-pole variants**
- **Utilization category DC-20B**

Fuse disconnectors Ex9FP for photovoltaic string protection against short circuit and overload. Suitable for cylindrical fuse-links of size 10 x 38 mm.

LED optical tripping indicator on the front side is signaling the fuse fault.

Type Key

Ex9	FP	1P	30A
Product family	Product	Poles	Max. rated current
Ex9	DC fuse disconnector	1, 2	30 A

Certification marks

$C\epsilon$

Noark

DC fuse disconnectors Ex9FP

1-pole

Poles	Article No.	Type	Packing
1	101766	Ex9FP 1P 30A	1/12/144

2-pole

Poles	Article No.	Type	Packing
2	101767	Ex9FP 2P 30A	1/6/72

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Technical Data Ex9FP

DC fuse disconnectors

General parameters

For protecting against overload and short-circuit current in direct current and PV applications
Modular design, width 1 MU per pole
Fuse fault indicator
Fuse disconnector cannot be operated by unskilled person (EN 60947-3)

Electrical parameters

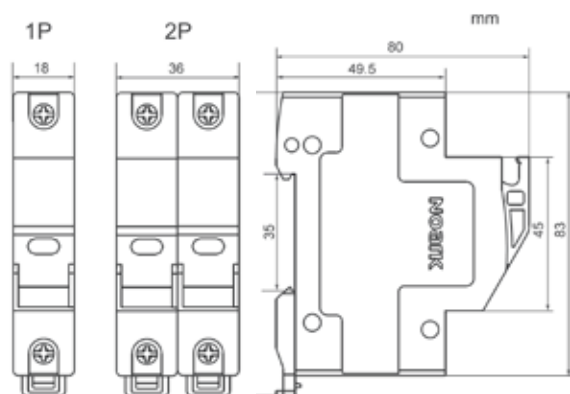|	
Tested according to	IEC / EN 60947-3
Rated operating voltage U_e	1000 V DC
Rated current I_e DC-20B 1000 V DC	up to 30 A
Number of poles	1, 2
Rated insulation voltage U_i	1000 V DC
Rated impulse withstand voltage U_{imp}	6 kV
Utilization category	DC-20B
Rated short-time breaking capacity	33 kA (30 kA from 20A)
Rated conditional short-circuit current	20 kA
Maximum power loss of fuse link	4 W

Mechanical parameters

Device width	18 mm (per pole)
Device height	83 mm (89 mm including rail clip)
Frame size	45 mm
Mounting	easy fastening onto 35 mm device rail (DIN)
Degree of protection	IP20
Terminal capacity	2.5 — 10 mm^2
Ambient temperature	-30 — +70 °C
Altitude	≤ 2000 m
Relative humidity	≤ 95 %
Resistance to humidity and heat	class 2
Pollution degree	3
Installation class	III
Fuse dimension	10 x 38 mm
Weight	0.07 kg per pole

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Technical Data Ex9FP

DC fuse disconnectors

Dimensions

Wiring diagrams

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