FieldPower®

FP Box On/Off 1003260000

Weidmüller

Technical data according to UL 508 and CSA C22.2 No. 14-05

The following short circuit rating: Suitable For Use On A Circuit Capable Of Delivering Not More Than 5,000 rms Symmetrical Amperes, 600 Volts Maximum, When Protected by ## A, Class J Fuses, or equivalent. Reference Table below for appropriate Values:

Short Circuit Current Ratings	Rating of Fuse, A	Fuse Classes
5,000 Single Phase	100	J
5,000 Three Phase	90	J

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INDUSTRIAL CONTROL EQUIPMENT
3SJM

ABB

Switch-disconnectors OT 16… Technical data

UL LISTED
MAN. MTR. CNTLR.
3E73

CSA
LR 58077

Short Circuit Ratings at 600 V AC		
kA	Fuse/A	Class of Fuse
10	30	CC, J, T or RK1
5	30	RK5

Suitable as Motor Disconnect

Technical data according to IEC 60947-3

		Size Switch type	**A**	**16 OT16_**
Rated insulation voltage and rated operational voltage AC20/DC20	Pollution degree 3		V	750
Dielectric strength		50 Hz 1min.	kV	6
Rated impulse withstand voltage			kV	8
Rated thermal current and rated operational current AC20/DC20	ambient 40 °C	In open air	A	25
	ambient 40 °C	In enclosure	A	25
	ambient 60 °C	In enclosure	A	20
..with minimum conductor cross section		Cu	mm^2	4
Rated operational current, AC-21A		up to 415 V	A	16
		440 – 690 V	A	16
Rated operational current, AC-22A		up to 415 V	A	16
		440 – 500 V	A	16
		690 V	A	16
Rated operational current, AC-23A		up to 415 V	A	16
		440 V	A	16
		500 V	A	16
		690 V	A	10
Rated operational current / poles in series, DC-21A		up to 48 V[1)]	A	16/1
		110 V	A	16/2
		220 V	A	16/3
		440 V	A	16/4
		500 V	A	16/4
		750 V	A	16/8
Rated operational current / poles in series, DC-22A		up to 48 V[1)]	A	16/1
		110 V	A	16/2
		220 V	A	16/3
		440 V	A	10/4
		750 V	A	16/8
Rated operational current / poles in series, DC-23A		up to 48 V[1)]	A	16/1
		110 V	A	16/2
		220 V	A	16/4
		440 V	A	10/4
		750 V	A	16/8
Rated operational power, AC-23A		220–240 V	kW	3
(These values are given		400–415 V	kW	7.5
for guidance and may vary		440 V	kW	7.5
acc. to the motor manufacturer)		500 V	kW	7.5
		690 V	kW	7.5
Rated breaking capacity, AC-23A		up to 415 V	A	128
		440 V	A	128
		500 V	A	128
		690 V	A	80
Rated breaking capacity/poles in series, DC-23A		up to 48 V	A	64/1
		110 V	A	64/2
		220 V	A	64/3
		440 V	A	40/4
		750 V	A	64/8
Rated conditional short-circuit current I_p (r.m.s.) and corresponding max. allowed cut-off current $\hat{i}_c$	I_p (r.m.s.)	50 kA	kA	6.5
	Max. OFA_ fuse size gG/aM	≤ 415 V	A	40/32
	I_p (r.m.s.)	100 kA	kA	
	Max. OFA_ fuse size gG/aM	≤ 500 V	A	
The cut-off current $\hat{i}_c$ refers to values listed by fuse manufacturers (single phase test acc. to IEC60269)	I_p (r.m.s.)	10 kA	kA	
	Max. OFA_ fuse size gG/aM	≤ 690 V	A	
	I_p (r.m.s.)	50 kA	kA	4
	Max. OFA_ fuse size gG/aM	≤ 690 V	A	25/16
Rated short-time withstand current	r.m.s. -value I_{cw}	690V, 0.25 s	kA	
	r.m.s. -value I_{cw}	690V, 1s	kA	0.5
Rated short circuit making capacity	Peak value I_{cm}	690V/500V	kA	0.705
Rated capacitor power (The capacitor ratings are limited by the fuse link.)		400 – 415 V	kVAr	
Power loss / pole	At rated operational current		W	0.3
Mechanical endurance	Divide by two for operation cycles		Oper.	20000
Weight without accessories	3-pole		kg	0.11
	4-pole		kg	0.15
Cable size	Cu-wire size suitable for terminal clamps		mm^2	0.75–10
			AWG	18–8
Terminal tightening torque	Counter torque required		Nm	0.8
Operating torque	3-pole switch-disconnector		Nm	1

[1)] Below 48 V, two poles in parallel up to OT 80 are recommended particularly in polluted atmosphere
[2)] 200A/min. 95 mm^2, use busbar connections OEZXX6/13 or OZXT2

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