DATASHEET - FCFSDNH000BBC60-3

Fuse disconnector, 100A, 500V/100A, 690V/100A, NH00 size

Part no. **FCFSDNH000BBC60-3**
139533

Powering Business Worldwide

General specifications	
Product name	Eaton xEffect SASY 60i busbar system device NH
Part no.	FCFSDNH000BBC60-3
EAN	5019586152060
Product Length/Depth	125 millimetre
Product height	160 millimetre
Product width	90 millimetre
Product weight	0.9 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947-3
Product Tradename	xEffect SASY 60i
Product Type	Busbar system device
Product Sub Type	NH
Delivery program	
Type	Compact system
Number of poles	Three-pole
Actuator type	Rocker lever
Technical Data - Electrical	
Voltage rating	690 V AC, 440 V DC
Rated operating voltage (Ue) at AC - max	690 V
Rated insulation voltage (Ui)	750 V
Rated operational current (gL/gG) - max	100 A
Rated uninterrupted current (Iu)	100 A
Fuse current rating at 690 V - max	100 A
Rated conditional short-circuit current (Iq)	25 kA at DC (conditional) 50 kA 50 kA at AC (effective)
Rated operation current (Ie)	100 A
Rated short-time withstand current (Icw)	50 kA
Conditioned rated short-circuit current Iq	50 kA
Frequency rating	40 Hz - 60 Hz
Frequency rating of contacts	40 Hz - 60 Hz
Power rating at AC-23, 400 V	40 kW
Rated breaking capacity	80 A 100 A
Rated making capacity at AC-22B	100 A
Rated making capacity at DC-21B	80 A
Electrical connection type of main circuit	Screw connection
Operating altitude without derating - max	2000 mm
Overvoltage category	III
Pollution degree	3
Direction of incoming supply	As required
Lifespan, electrical	300 operations
Technical Data - Mechanical	
Actuator position	Front side
Frame	NH00(0) (max. 21 mm)
Mounting position	Vertical or horizontal
Degree of protection	IP10 (front cover open) IP20 (operating state)
Degree of protection (front side)	IP20

Distance between busbar centers		60 mm
Terminal capacity (solid cable)		1.5 mm^2 - 50 mm^2
Terminal capacity (stranded cable)		16 mm^2 - 50 mm^2 at clamp-type terminal
Cable entry type		Other
Suitable for fuses		NH00
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Lifespan, mechanical		1700 operations
Design verification as per IEC/EN 61439 - technical data		
Heat dissipation at Ith DC without NH-SE		1.8 W
Heat dissipation at ith AC without NH-SE		2.7 W
Ambient operating temperature - min		-20 °C
Ambient operating temperature - max		55 °C
Admissible heat dissipation (NH-SE) - max		9 W
Additional information		
Functions		Busbar fuse material NH fuse switch-disconnector
Special features		Complete and functional fuse element consists of the basic device, fuse unit, fitted screw, screw cap
Suitable for		Busbar mounting For surface mounting on busbars

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Fuse switch disconnector (EC001040)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnector (ecl@ss13-27-37-14-01 [AKF058018])

Version as main switch		No
Version as safety switch		No
Max. rated operation voltage Ue AC	V	690
Rated permanent current Iu	A	100
Rated operation power at AC-23, 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	50
Rated short-time withstand current Icw	kA	50
Suitable for fuses		NH00
Number of poles		3
With error protection		No
Type of electrical connection of main circuit		Screw connection
Cable entry		Other
Equipped with connectors		No
Suitable for floor mounting		No
Suitable for front mounting		No
Suitable for busbar mounting		Yes
Type of control element		Rocker lever
Position control element		Front side
Motor drive optional		No
Motor drive integrated		No
Version as emergency stop installation		No
Degree of protection (IP), front side		IP20

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