Datasheet



HFUM3Z-400 electronic MCCB

Main

Range	HFUM3Z
Product or Component type	Electronic MCCB
Product name	HFUM3Z - 400
Product Name	breaker
Product Application	Power distribution protection
Number of poles	3P, 4P

Complementary

Rated current [In]	400A
Control type	Direct operation with handle Electric operation mechanism
Network type	AC
Frequency	50 Hz / 60 Hz
Rated operational voltage [Ue]	AC 400 V
Rated ultimate short-circuit breaking capacity [Icu]	35 kA / 65 kA / 85 kA
Rated service short-circuit breaking capacity [Ics]	35 kA / 50 kA / 65 kA
Rated short-time withstand current Icw [kA / 1s]	5kA/1s
Arc flash distance	≤ 50 mm
Rated impulse withstand voltage [Uimp]	8kV
Rated insulation voltage [Ui]	1000 V
Trip unit type	Electronic
Protection type	Overload long delay, short circuit short delay, short circuit instantaneous, ground fault, current imbalance, phase loss, neutral line protection, over/under voltage, voltage imbalance, over/under active

	power, over/under frequency, power factor, phase sequence protection
Long time delay current setting value [Ir] (A)	160 ~ 400
Long delay operation time range [Tr] (s)	12 ~ 100 s +OFF
Short time delay current setting value [Isd] (x Ir)	2 ~ 12×Ir
Short delay time setting range [Tsd] (s)	0.06s , 0.1s, 0.2s, 0.3s , 0.4s
Instantaneous protection setting value [Ii] (x In)	3 ~12×I n
Pre-alarm setting current Ip(xIr)	50 %~105 % Ir ; default setting 80% Ir
Communication function	RS485/USB
Isolation function	Applicable
Selective categories	B
N-pole protection type (4-pole)	A: The N pole always connecting without protection B: The N pole operating with L poles without protection. C: The N pole operating with L poles with over current protection D: The N pole always connecting with over current protection
Interphase distance	44 mm
Wiring screw specifications	M10*30
Tightening torque	17.7 ~ 22.6 Nm
Accessory type	Shunt trip, auxiliary contacts, alarm contacts, electric operating mechanism, auxiliary junction box, grounding transformer
Wiring method	Front connection (without terminal block), front connection (with terminal block), rear connection, plug-in front connection, plug-in rear connection
Durability (cycles)	7500 (Energized); 10000 (De-energized)
Heigh	257 mm
Width (3P / 4P)	140/184 mm
Depth (back to handle)	154mm
Product weight (3P / 4P)	5.3/ 6.7 kg
Standards	IEC 60947-2 GB/T 14048.2 BS EN60947-2 EN60947-2
Product Certification	CCC CB

	UKCA CE

Environment

IP protection degree	IP 20
Pollution degree	3
Operating temperature	-25 ° C to +70 ° C (derating should be considered for temperatures above 40 °C)
Storage ambient temperature	-25 ° C to +70 °C
Working altitude	≤2000 m Derating should be considered when the depth exceeds 2,000 m.

Packaging units

Model	3P	4P
Packaging unit type (per unit)	PC	
Packaging quantity	1	
Packaging height	19cm	19cm
Packaging width	22cm	27.5cm
Packaging length	38.5cm	38.5cm
Packaging weight	0.66kg	0.76kg
Packaging unit type (by carton)	PC	
Packaging quantity	2	2
Packaging height	21.5cm	21.5cm
Packaging width	40cm	40cm
Packaging length	47cm	56cm
Packaging weight	1.32kg	1.55kg

Warranty

Warranty	24 months