48647

Circuit breaker frame, MasterPact NW40NDC-C, 4000A, 900VDC, 85kA/500VDC (Icu), 3 poles, fixed, without control unit





Main

Range	MasterPacT
Product name	MasterPact NW DC
Circuit breaker name	MasterPact NW40NDC-C
Product or component type	Circuit breaker
Device application	DC voltage switching
Poles description	3P
Control unit	Without control unit
[ln] rated current	4000 A at 40 °C
Performance type	N 35 kA 500 V DC
[Ue] rated operational voltage	500/900 V DC
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Selectivity category	Category B
Control type	Push-button
Mounting mode	Fixed

Complementary

Complementary	
[lcu] rated ultimate short-circuit breaking capacity	25 KA lcu at 500 V DC L/R = 30 ms 35 KA lcu at 500 V DC L/R = 15 ms 85 kA lcu at 500 V DC L/R = 5 ms
[lcs] rated service breaking capacity	25 KA at 500 V DC (L/R = 30 ms) 35 KA at 500 V DC (L/R = 5 ms) 85 kA at 500 V DC (L/R = 5 ms)
[lcw] rated short-time withstand current	50 kA 1 s
[lcm] rated short-circuit making capacity	25 KA L/R = 30 ms 500 V DC 35 KA L/R = 15 ms 500 V DC 85 kA L/R = 5 ms 500 V DC
Sensor rating	4000 A
[Ui] rated insulation voltage	1000 V DC
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	4000 W
Maximum breaking time	3075 ms
Maximum closing response time	70 ms
Mounting support	Backplate Rails
Upside connection	Rear
Downside connection	Rear
Connection pitch	150 mm
Mechanical durability	10000 Cycles without maintenance conforming to IEC 60947-2 20000 cycles with maintenance conforming to IEC 60947-2
Electrical durability	2000 cycles 500 V DC without maintenance conforming to IEC 60947-2
Height	352 mm
Width	422 mm
Depth	527 mm
Net weight	6086 kg
Standards	IEC 60947-2
Product certifications	ASEFA[RETURN]ASTA

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interested for a set of for determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	0.1 cm	
Package 1 Width	0.1 cm	
Package 1 Length	0.2 cm	
Package 1 Weight	172.284 kg	-

Offer Sustainability

REACh Declaration	
Compliant with Exemptions	
Yes	
China RoHS Declaration	
€Yes	
Product Environmental Profile	
[™] End Of Life Information	
	Compliant with Exemptions Yes China RoHS Declaration Yes Product Environmental Profile

Contractual warranty

Warranty	18 months