DZ158 Moulded Case Circuit Breaker

1. General

1.1 Function

protection of circuits against short-circuit currents,
protection of circuits against overload currents,
switch, isolation.

1.2 Selection

Technical data of the network at the point considered:
the earthing systems (TNS, TNC),
short-circuit current at the circuit-breaker installation point,
which must always be less than the breaking capacity of
this device, network normal voltage.

1.3 Approvals and certificates

Detailed information, please refer to Certificates Table
on the last page.

	Standard		**IEC/EN 60947-2**
Electrical features	Rated current In	A	63, 80, 100, 125
	Poles		1P, 2P
	Rated voltage Ue	V	60V/80V/110V DC (1P); 80V/125V/220V DC (2P)
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50
	Rated breaking capacity	kA	20kA(60V)/10kA(80V)/10kA(110V) 1P; 20kA(80V)/20kA(125V)/10kA(220V) 2P
	Rated impulse withstand voltage(1.2/50) Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1 min	kV	1.89
	Pollution degree		3
	Thermo-magnetic release characteristic		8-12In
Mechanical features	Electrical life		5000 (In=63A, 80A, 100A) 4000 (In=125A)
	Mechanical life		10000(In=63A, 80A, 100A) 8000 (In=125A)
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5...+40
	Storage temperation	℃	-25...+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm²	16~50
		AWG	6-0
	Terminal size top/bottom for busbar	mm²	16~35
		AWG	6-2
	Tightening torque	N·m	3.5
		In-Ibs.	31
	Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection		From top and bottom
Combination with accessories	Auxiliary contact		Yes