EKF ELECTRICAL SOLUTION – FZCO Dubai Silicon Oasis, DDP, Building A2, Dubai, United Arab Emirates P.O. Box 342001

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ENERGY KNOWLEDGE FUTURE

Product data sheet

Specifications



Residual current circuit breakers (RCCBs) VD-100N PROXIMA EKF

IEC 61008-2-1, IEC 61008-1

Product line PROXIMA Series name VD-100N Device application Distribution Product type Residual current circuit breaker Rated voltage [Ue, V] 2P: 220 / 230 / 240V-4P: 380 / 400 / 415V-2 Frequency [Hz] 50 / 60 Poles 2P, 4P Rated current [In, A] 16, 20, 25, 32, 40, 63, 80, 100 Rated breaking residual current [IΔn, mA] 10, 30, 100, 300 Residual current trip type A, AC Selective type AC-S Leakage protection type Voltage independent (electromagnetic) Rated conventional short-circuit current [Inc, A] 6 000 Rated insulation voltage [Ui, V] 500 Rated impulse withstand voltage [Uimp, V] 4 000 Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making 63 – 100A: 10IΔn capacity [Im, A] 63 – 100A: 10IΔn Energy limiting class 3 Mechanical endurance [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatur		
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Residual current trip type A, AC Selective type AC-S Leakage protection type Voltage independent (electromagnetic) Rated conventional short-circuit current [Inc, A] 6 000 Rated insulation voltage [Ui, V] 500 Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making capacity [Im, A] 16 – 40A: 0,51Δn capacity [Im, A] 63 – 100A: 101Δn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Rated current [In, A]	16, 20, 25, 32, 40, 63, 80, 100
Selective type AC-S Leakage protection type Voltage independent (electromagnetic) Rated conventional short-circuit current [Inc, A] 6 000 Rated insulation voltage [Ui, V] 500 Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making capacity [Im, A] 16 – 40A: 0,5IΔn capacity [Im, A] 63 – 100A: 10IΔn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Rated breaking residual current [IΔn, mA]	10, 30, 100, 300
Leakage protection type Voltage independent (electromagnetic) Rated conventional short-circuit current [Inc, A] 6 000 Rated insulation voltage [Ui, V] 500 Rated insulation voltage [Uimp, V] 4 000 Rated breaking and making capacity [Im, A] 16 – 40A: 0,5IΔn sapacity [Im, A] 63 – 100A: 10IΔn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Residual current trip type	A, AC
Rated conventional short-circuit current [Inc, A] 6 000 Rated insulation voltage [Ui, V] 500 Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making 16 – 40A: 0,51Δn 63 – 100A: 101Δn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Selective type	AC-S
Rated insulation voltage [Ui, V] 500 Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making 16 – 40A: 0,51Δn 63 – 100A: 101Δn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Leakage protection type	Voltage independent (electromagnetic)
Rated impulse withstand voltage [Uimp, V] 4 000 Rated breaking and making capacity [Im, A] 16 – 40A: 0,5IΔn Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Rated conventional short-circuit current [Inc, A]	6 000
Rated breaking and making capacity [Im, A]16 – 40A: 0,5IΔn 63 – 100A: 10IΔnEnergy limiting class3Mechanical endurance [O-C cycles]10 000Electrical endurance, [O-C cycles]2 500Max. tightening torque [N·m]3Degree of protectionIP20Operating temperatures [°C]-25 +55Cross-section of connected wires [mm²]1 - 35Contact position indicatorYesAuxiliariesNoMounting supportDIN railWeight, max. [2P, kg]0,38StandardIEC 61008-2-1, IEC 61008-1ColorGrey (RAL 7035/Pantone Cool Gray 2C)	Rated insulation voltage [Ui, V]	500
capacity [Im, A] 63 – 100A: 10ΙΔη Energy limiting class 3 Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)		
Mechanical endurance [O-C cycles] 10 000 Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)		· · · · · · · · · · · · · · · · · · ·
Electrical endurance, [O-C cycles] 2 500 Max. tightening torque [N·m] 3 Degree of protection IP20 Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Energy limiting class	3
Max. tightening torque [N·m]3Degree of protectionIP20Operating temperatures [°C]-25 +55Cross-section of connected wires [mm²]1 - 35Contact position indicatorYesAuxiliariesNoMounting supportDIN railWeight, max. [2P, kg]0,38StandardIEC 61008-2-1, IEC 61008-1ColorGrey (RAL 7035/Pantone Cool Gray 2C)	Mechanical endurance [O-C cycles]	10 000
Degree of protection Operating temperatures [°C] Cross-section of connected wires [mm²] Contact position indicator Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] Standard Color Operating temperatures [°C] -25 +55 1 - 35 Yes No DIN rail O,38 Standard IEC 61008-2-1, IEC 61008-1 Grey (RAL 7035/Pantone Cool Gray 2C)	Electrical endurance, [O-C cycles]	2 500
Operating temperatures [°C] -25 +55 Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Max. tightening torque [N·m]	3
Cross-section of connected wires [mm²] 1 - 35 Contact position indicator Yes Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Degree of protection	IP20
Contact position indicator Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Operating temperatures [°C]	-25 +55
Auxiliaries No Mounting support DIN rail Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Cross-section of connected wires [mm²]	1 - 35
Mounting support Weight, max. [2P, kg] Standard Color DIN rail 0,38 IEC 61008-2-1, IEC 61008-1 Grey (RAL 7035/Pantone Cool Gray 2C)	Contact position indicator	Yes
Weight, max. [2P, kg] 0,38 Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Auxiliaries	No
Standard IEC 61008-2-1, IEC 61008-1 Color Grey (RAL 7035/Pantone Cool Gray 2C)	Mounting support	DIN rail
Color Grey (RAL 7035/Pantone Cool Gray 2C)	Weight, max. [2P, kg]	0,38
	Standard	IEC 61008-2-1, IEC 61008-1
Warranty period 7 years	Color	Grey (RAL 7035/Pantone Cool Gray 2C)
	Warranty period	7 years

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Overall dimensions:







