

Terminal block, 1 pole, 80 A, 6 output terminals, ALU



Part no. BPZ-KB-6/80-ALU
102702
EL Number 1243560
(Norway)

General specifications	
Product name	Eaton xEnergy Basic other accessory
Part no.	BPZ-KB-6/80-ALU
EAN	4015081025626
Product Length/Depth	46.8 millimetre
Product height	65.5 millimetre
Product width	27 millimetre
Product weight	0.072 kilogram
Compliances	RoHS conform
Certifications	IEC 60 947 -7 -1
Product Tradename	xEnergy Basic
Product Type	Accessories
Product Sub Type	Other
Delivery program	
Amperage rating	80 A
Number of poles	Single-pole
Technical Data - Electrical	
Voltage rating at AC Cu (IEC) - max	1000 V AC
Voltage rating at DC Cu (IEC) - max	1500 V DC
Rated peak withstand current	2.7 kA
Rated operation current (Ie) Cu (IEC)	63 A
Rated short-time withstand current (Icw)	1.9 kA
Technical Data - Mechanical	
Mounting method	Flush mounting Floor standing distribution board Surface mounting
Mounting position	Universal
Material	Aluminum
Degree of protection	IP20
Number of clamp positions per pole	7
Number of clamping units per pole	7
Terminal capacity (single/multi-wire)	2.5 mm ² - 6 mm ² (outgoing, fine wire (with sleeve)) 14 - 10 AWG (outgoing) 2.5 mm ² - 16 mm ² (outgoing) 2.5 mm ² - 16 mm ² (outgoing, fine wire (with sleeve)) 14 - 10 AWG (outgoing, fine wire (with sleeve)) 14 - 4 AWG (incoming) 14 - 6 AWG (outgoing) 2.5 mm ² - 16 mm ² (incoming) 2.5 mm ² - 6 mm ² (outgoing) 14 - 6 AWG (outgoing, fine wire (with sleeve)) 14 - 4 AWG (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (incoming, fine wire (with sleeve))
Conductor cross section (solid, solid-strand) - min	2.5 mm ²
Conductor cross section (solid, solid-strand) - max	16 mm ²
Clamp material	Brass Nickel plated
Torque rating	1.5 Nm - 3 Nm / 13.2 lbf - 26.5 lbf (incoming). 0.8 Nm - 3 Nm / 7 lbf - 26.5 lbf (outgoing)
Housing color	Light gray (RAL 7035)
Housing material	PA66
Design verification as per IEC/EN 61439 - technical data	
Heat deflection temperature	100 °C
Additional information	

Comparative tracking index (CTI)		600 V
Flame classification (UL 94)		V-0
Functions		Additional equipment
Special features		<p>Clicks on DIN-rail or on base plate. Save time on wiring. Save 80% on space used. Modular construction, 1-4 pole Systems can be built with several blocks. Material, hexagon socket set screw: Steel This power distribution block is suitable for ALU and CU conductors. Please pay attention to the common handling guidelines when connecting the aluminium conductors. Clean and brush the contact surfaces and lubricate them with an appropriate grease. As precaution the connections should get retightened regularly. Zinc plated (Hexagon socket set screw, Surface finish)</p>

Technical data ETIM 9.0

Energy distribution systems (EG000015) / Distributor assembly terminal blocks (EC001894)			
Electric engineering, automation, process control engineering / Electrical insulation and connecting material / Energy distribution system / Distributor assembly terminal blocks (ec1@ss13-27-40-06-09 [AC0381016])			
Height		mm	65.5
Width		mm	27
Depth		mm	46.8
Max. rated current		A	80
Number of poles			1
Conductor cross section flexible (fine-strand) with cable end sleeve		mm ²	2.5 - 16
Conductor cross section solid (solid, stranded)		mm ²	2.5 - 16
Number of clamp positions per pole			7
With PE-rail			No
With N-rail			No