

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



Part no. BPZ-KB-4/80
289969
EL Number 2456093
(Norway)

General specifications	
Product name	Eaton xEnergy Basic other accessory
Part no.	BPZ-KB-4/80
EAN	4015082899691
Product Length/Depth	46.8 millimetre
Product height	65.5 millimetre
Product width	27 millimetre
Product weight	0.072 kilogram
Compliances	RoHS conform
Certifications	UL 1059 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 (CSA) - max	600 V AC
Voltage rating at AC Cu (IEC) - max	1000 V AC
Voltage rating at AC Cu (UL) - max	600 V AC
Voltage rating at DC Cu (IEC) - max	1500 V DC
Rated peak withstand current	2.7 kA
Rated operation current (Ie) Cu (CSA)	80 A
Rated operation current (Ie) Cu (IEC)	80 A
Rated operation current (Ie) Cu (UL)	80 A
Rated short-time withstand current (Ic _w)	1.9 kA
Technical Data - Mechanical	
Mounting method	Floor standing distribution board Surface mounting Flush mounting
Mounting position	Universal
Degree of protection	IP20
Number of clamp positions per pole	7
Number of clamping units per pole	7
Terminal capacity (single/multi-wire)	14 - 4 AWG (incoming) 2.5 mm ² - 16 mm ² (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (incoming) 2.5 mm ² - 6 mm ² (outgoing) 14 - 10 AWG (outgoing, fine wire (with sleeve)) 14 - 6 AWG (outgoing) 2.5 mm ² - 16 mm ² (outgoing) 14 - 10 AWG (outgoing) 2.5 mm ² - 6 mm ² (outgoing, fine wire (with sleeve)) 14 - 4 AWG (incoming, fine wire (with sleeve)) 2.5 mm ² - 16 mm ² (outgoing, fine wire (with sleeve)) 14 - 6 AWG (outgoing, 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 Plain
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		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 Zinc plated (Hexagon socket set screw, Surface finish)
Used with		Single-pole terminal blocks

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 (ecI@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