



Single-pole terminal block 500A ECO series

Series	QBLOK
Code	QBLOK1P500E
Type	QBLOK1P500A12E
Colour	-
HS code	85369010
TECHNICAL FEATURES	
Function/Type	Distribution terminal board
Number and rated cross connection	
A	8x24x1 mm – 2x20x1 mm (busbar)
B	2 x 35 mm ²
C	5 x 16 mm ²
D	4 x 10 mm ²
Input A	
Rated cross-section	8x24x1 mm – 2x20x1 mm (busbar)
Connecting capacity (flexible)	-
Connecting capacity (rigid)	-
Connecting capacity (with ferrule)	-
Supply bar dimension	8x24x1 mm – 2x20x1 mm
Output B	
Rated cross-section	2 x 35 mm ²
Connecting capacity (flexible)	6-35 mm ²
Connecting capacity (rigid)	6-35 mm ²
Connecting capacity (with ferrule)	25 mm ²
Output C	
Rated cross-section	5 x 16 mm ²
Connecting capacity (flexible)	2.5-16 mm ²
Connecting capacity (rigid)	2.5-16 mm ²
Connecting capacity (with ferrule)	10 mm ²
Output D	
Rated cross-section	4 x 10 mm ²
Connecting capacity (flexible)	2.5-10 mm ²
Connecting capacity (rigid)	2.5-10 mm ²
Connecting capacity (with ferrule)	6 mm ²
Electrical characteristics according to IEC EN standard	
Maximum voltage AC/DC	1000 Vac / 1000 Vdc
Maximum current (rated cross-section)	500 A
Caliber	-
Electrical characteristics according to UL Standard	
Maximum voltage AC/DC	600 Vac / 600 Vdc
Maximum current (rated cross-section)	335 A
Section (min-max)	A: - / B: 10-1 / C: 14-4 / D: 14-6
Tightening torque value (UL)	A: 120 / B: 39 / C: 24 / D: 24
Short term current allowed (I_{cw}) (value effective for 1s)	24.5 kA
Peak current (I_{pk})	51 kA
Rated impulse withstand voltage / pollution degree	4 kV / 3
Insulation stripping length	(1)
Tightening torque value (nom. / max.)	13,5/4,4/2,7/2,7 Nm (2)
Plastic material	Polyamide, polycarbonate
Width (pitch)	47 mm
Length	95 mm
Height mounted on TH35-7.5/TH35-15	51 / 59 mm
Height for panel mounting	50 mm
ACCESSORIES	
Marking	
Single marking tag	-
Marking tag	-
End bracket	
TH35 screw type	BT/3 (cod. BT003)
TH35 snap-fit type	BTO (cod. BT007)
TH35 and G32 snap-fit type	BTU (cod. BT005)
Mounting rail	
DIN rail according to IEC 60715/TH35	PR/3/..
IEC 60715/TH35	-
APPROVALS AND MARKINGS	UL, CE



PRODUCT DESCRIPTION

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