Product data sheet

Specifications

Green Premium™

Busbar, Linergy HK, 160A, 4 conductors, L452mm, for mounting in enclosure W800mm

AK5JB144

Main

Range	Linergy
Product Name	HK
Product Or Component Type	Busbar
Device Application	Distribution
Tap-Offs (18 Mm)	18
Bar Length	17.80 in (452 mm)
Enclosure/Cubicle Width	800 mm
Network Type	AC
[Ie] Rated Operational Current	160 A 95 °F (35 °C)
[Ue] Rated Operational Voltage	400 V off-load plugging-in and unplugging, with supply switched on)IEC 60439-1 480 V off-load plugging-in and unplugging, with supply switched on)CSA 480 V off-load plugging-in and unplugging, with supply switched on)UL 600 V plugging-in and unplugging, with supply switched off)CSA 600 V plugging-in and unplugging, with supply switched off)UL 690 V plugging-in and unplugging, with supply switched off)IEC 60439-1
Number Of Conductors	4

Complementary

Bar Width	1.77 in (45 mm)
Width	3.19 in (81 mm)
Depth	3.23 in (82 mm)
Network Frequency	50/60 Hz
[Ui] Rated Insulation Voltage	600 V CSA 600 V UL 690 V IEC 60439-1
Peak Current	25 kA
I²T On Activation	10000000 A².s
Protection Type	AM fuses In = 160 A, Isc = 100 kA, Ie = 160 A GF fuses In = 160 A, Isc = 100 kA, Ie = 160 A NS160H circuit breaker In = 160 A, Isc = 36 kA, Ie = 160 A NS160H circuit breaker In = 160 A, Isc = 70 kA, Ie = 160 A
Connections - Terminals	Connector 0.00…0.11 in² (2.5…70 mm²) flexible with cable end Connector 0.00…0.11 in² (2.5…70 mm²) rigid
Tightening Torque	88.51 lbf.in (10 N.m)
Mounting Position	Vertical using side stop AK5BT01 on mounting plates AK5PA Horizontal
Flame Retardance	V0 UL 94

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net Weight	1.98 lb(US) (0.9 kg)

Environment

Standards	IEC 60439
Product Certifications	UL CSA DNV LROS (Lloyds register of shipping)
Ip Degree Of Protection	IPxx B IEC 60529
Fire Resistance	1562 °F (850 °C) IEC 60695

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.33 in (11.000 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	20.67 in (52.500 cm)
Package 1 Weight	2.52 lb(US) (1.143 kg)
Unit Type Of Package 2	P06
Number Of Units In Package 2	30
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	104.26 lb(US) (47.290 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations