

Product data sheet

HDB3WN4C650D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 6 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	6 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Short-circuit protection Overload protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Product data sheet

HDB3WN4C1050D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 10 A - 50degree



Main

Range of produc	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	10 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

Product data sheet

HDB3WN4C1650D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 16 A - 50degre



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	16 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Short-circuit protection Overload protection
Cable entry	Bottom Top
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm



Product data sheet

Characteristics

HDB3WN4C2050D

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 20 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	20 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm



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Product data sheet

HDB3WN4C2550D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 25 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	25 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Product data sheet

HDB3WN4C3250D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 32 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	32 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Product data sheet

HDB3WN4C4050D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 40 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	40 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Product data sheet

HDB3WN4C5050D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 50 A - 50degree



Main

Range of produc	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	50 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Product data sheet

HDB3WN4C6350D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 63 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	63 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm ²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm

Environment

Trip unit technology	Thermal-magnetic
Shock resistance	30 gn (duration = 11.0 ms) for 3 shocks
Operating altitude	0...2000 m
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...70 °C
Product certifications	CE CB TÜV
Pollution degree	2
Standards	EN/IEC 60898-1