



HCB251Z

**Switch X250 4P 250A**

**Technical properties**

**Architecture**

Type of order	Toggle
Neutral position	left
Number of poles	4 P
Type of pole	4 P

**Functions**

Reversing switch	No
Trip Unit	SWITCH

**Main electrical features**

Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV

**Electric current**

Rated current	250 A
Rated operational current in AC21	250 A

**Current correction factors**

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

**Power**

Total power loss under I <sub>N</sub>	44.1 W
Power loss per pole at I <sub>n</sub>	14.7 W
Contact rating with 400 V in AC1	164 kW

**Tripping**

Time of response when opening	10 ms
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**Endurance**

Electric endurance in number of cycles	10000
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**Cover, door**

Interlockable	Yes
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**Materials**

Toggle colour	Black
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**Connection**

Connection cross-sect. flexible conductor	35 / 150mm <sup>2</sup>
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Connection cross-sect. rigid cable	35 / 185mm <sup>2</sup>
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Connection	Front connection
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Type of connection	Terminal
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**Equipment**

Number of auxiliary contacts as normally closed contact	0
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Number of auxiliary contacts as normally open contact	0
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Number of auxiliary contacts as change-over contact	0
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Motor drive optional	Yes
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**Use cases**

Category of use	A
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**Standards**

Standard text	IEC 60947-3
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European directive WEEE	concerned
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**Safety**

Protection index IP	IP4X
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REACH conform	Yes
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RoHS conform	Yes
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Halogen free	No
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**Use conditions**

Operating temperature	-25...70 °C
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Degree of pollution according to IEC 60664 / IEC 60947-2	3
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Altitude	2000 m
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Air humidity protection	85% / 50°C
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Storage/transport temperature	-35...70 °C
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