



HDS078EC

### Moulded Case Circuit Breaker h3+ P160 TM FIX 1P1D 80A 18kA CTC

#### Technical Features

##### Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	106.90 A
Rated current 15°C according to IEC 60947	103.90 A
Rated current 20°C according to IEC 60947	100.90 A
Rated current 25°C according to IEC 60947	97.70 A
Rated current 30°C according to IEC 60947	94.40 A
Rated current at 35°C according to IEC 60947	91 A
Rated current at 40°C according to IEC 60947	87.50 A
Rated current 45°C according to IEC 60947	83.80 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	75.90 A
Rated current at 60°C according to IEC 60947	71.60 A
Rated current 65°C according to IEC 60947	67.10 A
Rated current 70°C according to IEC 60947	62.20 A

##### Architecture

Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

##### Frequency

Frequency	50 - 60 Hz
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##### Voltage

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V

##### Functions

Trip unit	TM F/F
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##### Power

Total power loss under I <sub>N</sub>	4.80 W
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##### Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

##### Safety

Ingress Protection (IP) class	IP4X
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##### Installation, mounting

Mounting-/Connection Position	Front
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##### Connectivity

Type of connection	Screw terminal
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##### Cover, door

Interlockable	No
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##### Settings

Thermal protection knob setting xI <sub>N</sub>	1
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<b>Dimensions</b>		
Height		130 mm
Width		30 mm
Depth		68 mm
<b>Compatibility</b>		
Compatible with RDC AOB		No
Suitable for DIN Rail		No
<b>Sustainability</b>		
REACH-SVHC free		Yes