



HMS101DR

### Moulded Case Circuit Breaker h3+ P160 TM ADJ 4P4D N0-100% 100A 50kA FTC

#### Technical Features

##### Electric current

Rated current	100 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	65 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 660 V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2	6 kA
Rated current 10°C according to IEC 60947	124.30 A
Rated current 15°C according to IEC 60947	121.50 A
Rated current 20°C according to IEC 60947	118.70 A
Rated current 25°C according to IEC 60947	115.80 A
Rated current 30°C according to IEC 60947	112.80 A
Rated current at 35°C according to IEC 60947	109.70 A
Rated current at 40°C according to IEC 60947	106.60 A
Rated current 45°C according to IEC 60947	103.30 A
Rated current 50°C according to IEC 60947	100 A
Rated current 55°C according to IEC 60947	96.50 A
Rated current at 60°C according to IEC 60947	93 A
Rated current 65°C according to IEC 60947	89.20 A
Rated current 70°C according to IEC 60947	85.30 A

##### Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left

##### 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
Rated operational voltage U <sub>e</sub>	220 - 690 V

##### Functions

Trip unit	TM A/A
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##### Power

Total power loss under I <sub>N</sub>	20.10 W
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##### Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	40000

##### Safety

Ingress Protection (IP) class	IP4X
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##### Connection

Cross-section flexible conductor	6 - 70 mm <sup>2</sup>
Cross-section rigid conductor	6 - 95 mm <sup>2</sup>

##### Cover, door

Interlockable	Yes
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##### Settings

Thermal protection knob setting xI <sub>N</sub>	0.63
	0.8
	1

# Product Datasheet

## HMS101DR

<b>Cable</b>	
Cable material	Copper Aluminium
<b>Compatibility</b>	
Compatible with RDC AOB	No
Suitable for DIN Rail	No
Suitable for distribution board	Yes
<b>Dimensions</b>	
Dimensions	130 x 120 mm
Height	130 mm
Width	120 mm
Depth	97 mm
<b>Installation, mounting</b>	
Mounting-/Connection Position	Front
Nominal tightening torque	6 - 6 Nm
<b>Electrical protection</b>	
Instantaneous protection (li): dial setting coefficient	6 8 10 12
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes