



HES040DR

### Moulded Case Circuit Breaker h3+ P160 TM ADJ 3P3D 40A 70kA FTC

#### Technical Features

##### Electric current

Rated current	40 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 kA
Rated current 10°C according to IEC 60947	49.90 A
Rated current 15°C according to IEC 60947	48.80 A
Rated current 20°C according to IEC 60947	47.60 A
Rated current 25°C according to IEC 60947	46.50 A
Rated current 30°C according to IEC 60947	45.20 A
Rated current at 35°C according to IEC 60947	44 A
Rated current at 40°C according to IEC 60947	42.70 A
Rated current 45°C according to IEC 60947	41.40 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	38.60 A
Rated current at 60°C according to IEC 60947	37.10 A
Rated current 65°C according to IEC 60947	35.60 A
Rated current 70°C according to IEC 60947	34 A

##### Architecture

Number of poles	3
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
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>	27.90 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
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# Product Datasheet

## HES040DR

<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 90 mm
Height	130 mm
Width	90 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