



HDA018Z

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 20A 18kA CTC**

**Technical properties**

**Electric current**

Rated current	20 A
Rated ultimate short-circuit breaking capacity $I_{cu}$ under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity $I_{cs}$ under 230 V AC according to IEC 60947-2	18 kA

**Architecture**

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

**Tripping**

Response time when opening	10 ms
----------------------------	-------

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**Voltage**

Rated impulse withstand voltage $U_{imp}$	8,000 V
Rated insulation voltage $U_i$	690 V

**Functions**

Trip unit	TM F/F
-----------	--------

**Power**

Total power loss under $I_N$	2.70 W
------------------------------	--------

**Endurance**

Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000

**Safety**

Ingress Protection (IP) class	IP4X
-------------------------------	------

**Connection**

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

**Installation, mounting**

Nominal tightening torque	6 - 6 Nm
---------------------------	----------

**Connectivity**

---

Type of connection	Screw terminal
--------------------	----------------

**Cover, door**

---

Interlockable	Yes
---------------	-----

**Settings**

---

Thermal protection knob setting xIN	1, 1
-------------------------------------	------

**Cable**

---

Cable material	Copper
----------------	--------

**Dimensions**

---

Height	130 mm
--------	--------

---

Width	25 mm
-------	-------

---

Depth	68 mm
-------	-------

**Compatibility**

---

Suitable for DIN Rail	Yes
-----------------------	-----

**Main electrical attributes**

---

Nominal tightening torque down terminal	6 - 6 Nm
---	----------

---

Nominal tightening torque top terminal	6 - 6 Nm
--	----------

---

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------