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CIRCUIT BREAKER 3VA2 IEC FRAME 160 BREAKING CAPACITY CLASS M ICU=55KA @ 415 V 3POLE, LINE PROTECTION ETU860, LSIG, IN=40A OVERLOAD PROTECTION IR=16A ...40A SHORT CIRCUIT PROTECTION ISD=0,6..10X IN, II=1,5..12X IN NEUTRAL PROTECTION OPTIONAL WITH EXT. CT,UPTO 160% GROUNDFAULT, SWITCHABLE IG=0,2... 1 X IN, TG=0,050,8MS BUSBAR CONNECTION

### General technical data:

product brand name		SENTRON
Product designation		Molded Case Circuit Breakers
Acceptability for application		system protection
Design of the product		Line Protection
Product function		
• communication function		Yes
• other measurement function		Yes
Product component / display		Yes
Design of the overcurrent release		ETU860
Protective function of the overcurrent release		LSIG
Product property / for zero conductors / up/downgradable / short-circuit and overload protection		Yes
Continuous current / rated value	A	40
Operating voltage		
• at 50/60 Hz / for AC / rated value	V	690
Insulation voltage / rated value	V	800
Number of poles		3
Active power loss / maximum	W	25.5

<b>Switching capacity class of the circuit breaker</b>		M
<b>Protection class IP / on the front</b>		IP40
<b>Motor rating data:</b>		
<b>Product function / phase disturbance recognition</b>		No
<b>Schaltvermögen:</b>		
<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>)</b>		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
<b>Breaking capacity operating short-circuit current (I<sub>cs</sub>)</b>		
• at 240 V / rated value	kA	85
• at 415 V / rated value	kA	55
• at 690 V / rated value	kA	2.5
<b>Ultimate short-circuit current making capacity (I<sub>cm</sub>)</b>		
• at 240 V / rated value	kA	187
• at 415 V / rated value	kA	121
• at 690 V / rated value	kA	3.75
<b>Overcurrent Release:</b>		
<b>Adjustable response current</b>		
• of the current-dependent overload release	A	0.4 ... 1
• of the non-delayed short-circuit release / initial value	A	1.5
<b>Settable current response value</b>		
• of S-trip		
• with standard characteristic	A	0.6 ... 10
<b>Adjustable response current</b>		
• of the short-time delayed short-circuit release	A	0.6 ... 10
<b>Settable delay / of the S-trip</b>		
• with standard characteristic	s	0.05 ... 0.5
• with I <sub>2t</sub> characteristic	s	0.05 ... 0.5
<b>Settable current response value / of I-trip / end value</b>		
• with standard characteristic	A	12
• with standard characteristic	A	0.4 ... 1
• with standard characteristic	s	0.05 ... 0.8
• with I <sub>2t</sub> characteristic	A	0.4 ... 1
• with I <sub>2t</sub> characteristic	s	0.05 ... 0.8
<b>Connections:</b>		
<b>Design of the electrical connection</b>		
• for main current circuit		Lug Terminal

**Control circuit:****Number of changeover contacts**

- for auxiliary contacts

0

**Product component**

- undervoltage release mechanism
- Voltage trigger
- undervoltage release with leading contact
- trip indicator

No

No

No

No

**Manufacturer article number**

- 3 of the integrated auxiliary switch /alarm switch
- of integrated auxiliary trip

**Ambient conditions:****Ambient temperature**

- during operating
- during storage

°C

-25 ... +70

°C

-40 ... +80

**Dimensions and weights:****Width**

mm

105

**Height**

mm

181

**Depth**

mm

107

**Net weight**

g

2,300

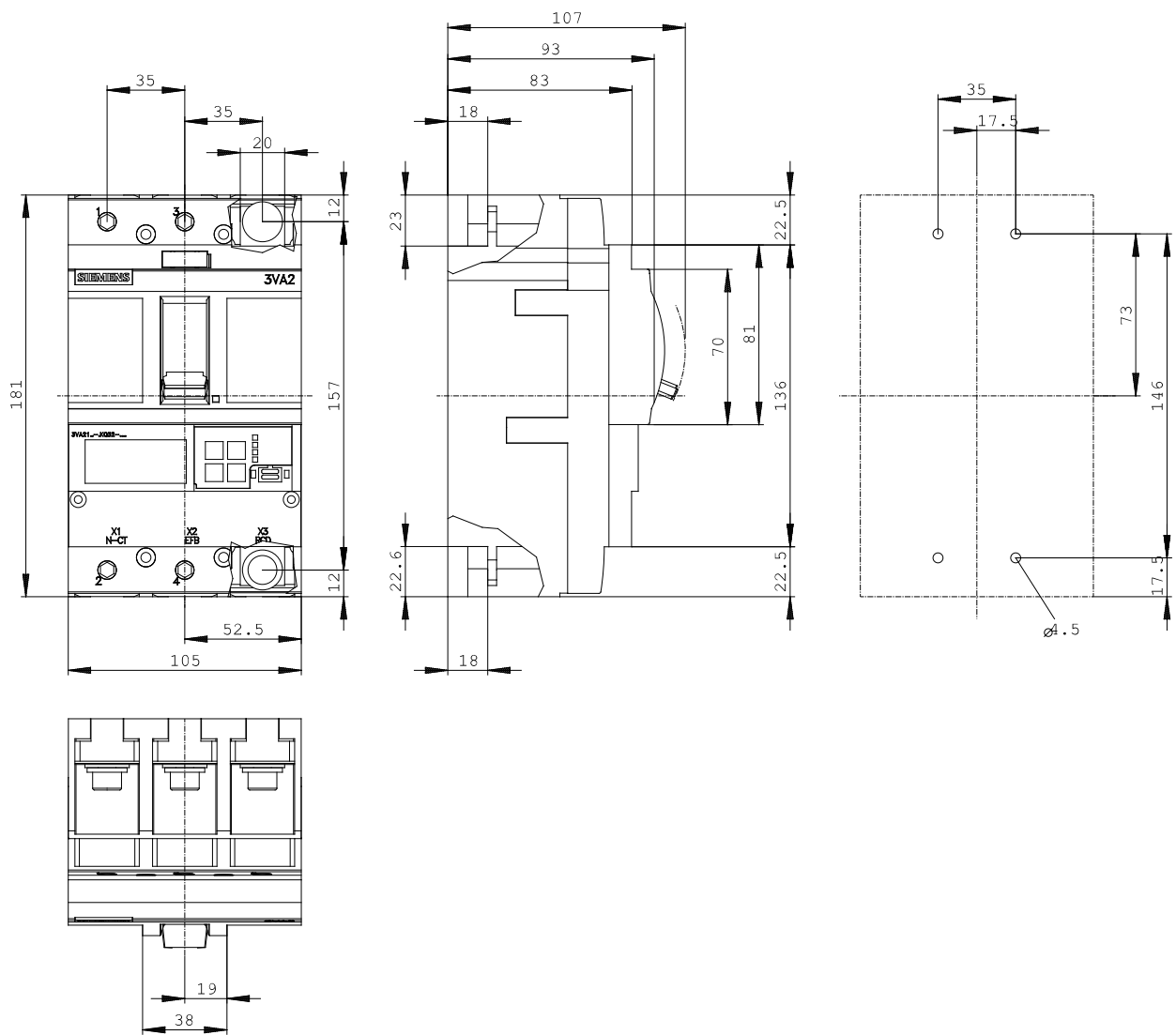
**Lebensdauer:****Mechanical operating cycles as operating time / typical**

20,000

**Reference code / according to DIN EN 61346-2**

Q

**Certificates/approvals:****Declaration of Conformity****Further information:****Information- and Downloadcenter (Catalogs, Brochures,...)**<http://www.siemens.com/lowvoltage/catalogs>**Industry Mall (Online ordering system)**<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA2140-5KQ32-0AA0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/3VA2140-5KQ32-0AA0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA2140-5KQ32-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2140-5KQ32-0AA0)**CAX-Online-Generator**<http://www.siemens.com/cax>



**last change:**

May 14, 2014