

3 phase | 400 V | 15 A | Starting Torque Limiter



Number of outputs	3
Controlled phases	2
Output type	SCR
Rated voltage	400 V
Output voltage range	400 ... 480 V AC
Reverse voltage	1,200 Vrrm
Peak reverse voltage	1,300 Vrrm
Rated current AC-53b	15 A
Minimum load	250 mA
Leakage current	5 mA
Inrush current	90 A
Rated limit load	1,800 A²s
Switching frequency (cycles / h)	3,000

Operating voltage range	24 ... 230 V AC/DC
Release voltage	5 V AC/DC
Ramp-up time	0.5 ... 10 s
Ramp-down time	0.5 ... 10 s
Torque adjustment	0 ... 85 %
Frequency range	50 / 60 Hz

Rated insulation voltage	660 V
Rated impulse withstand voltage open contact	4 kV / 1 min
Pollution degree	3
Overvoltage category	III

Storage temperature (no ice)	-20 ... 80 °C
Operation temperature	-5 ... 40 °C
Ambient temperature operation derated power	-5 ... 60 °C
Conductor cross section control / main circuit	2.5 mm ² / 4 mm ²
Nominal screw torque control / main circuit	0.5 Nm / 1.2 Nm
Dimensions	fig. 2
Weight	650 g
Ingress Protection	IP 20
Housing material	PPO
Mounting	TH35 (EN 60715) or back panel mounting

Description	Type
Starting Torque Limiter, 3 phase	CCM3H415
Other devices on request. Please contact support@comatreleco.com .	

Thermal overload protection P82-100C

Technical drawing of the 128.1 series heat exchanger, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 120
- Overall height: 110
- Top flange width: 4.3
- Bottom flange width: 3.8
- Internal height (excluding flanges): 55
- Overall length: 128.1
- Top flange thickness: 4.5
- Top flange diameter: $\phi 4.5$
- Top flange hole diameter: 12.4
- Top flange hole spacing: 2.2
- Top flange hole diameter: $\phi 0.8$
- Top flange hole spacing: 8
- Top flange hole diameter: 45
- Top flange hole spacing: 30
- Top flange hole diameter: 8.5

Side View Dimensions:

- Overall width: 120
- Overall height: 110
- Top flange width: 4.3
- Bottom flange width: 3.8
- Internal height (excluding flanges): 55
- Overall length: 128.1
- Top flange thickness: 4.5
- Top flange diameter: $\phi 4.5$
- Top flange hole diameter: 12.4
- Top flange hole spacing: 2.2
- Top flange hole diameter: $\phi 0.8$
- Top flange hole spacing: 8
- Top flange hole diameter: 45
- Top flange hole spacing: 30
- Top flange hole diameter: 8.5

Standards IEC/EN 60947-4-2

Approvals   