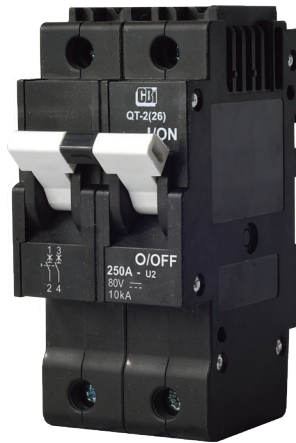


QT(26) - Series Miniature Circuit Breakers



Dual (DIN & Mini rail) mount
1 pole



Dual (DIN & Mini rail) mount
2 pole



Dual (DIN & Mini rail) mount
4 pole

Features

- DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, two pole bridged and four pole (2pole + 2pole bridged)
- VDE and CCC approved, CE certified
- UL 489A listed
- IEC 60947-2 and AS/NZS 60947-2 approved
- Ratings 70 A to 250 A
- Precision tripping characteristics
- Can be switched immediately after tripping
- Dual mount product in black shells

Applications

- DC circuit protection (IEC / EN 60947-2)
- Telecom / datacom equipment
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Industrial equipment

Optional Accessories

- Handle lock - SAAP001
- Escutcheon blank - SFEB000
- Safety blank - SAEB000



AS / NZS 60947-2



Hydraulic-Magnetic Circuit Breakers 100% rated, unaffected by ambient temperature

QT(26) - Series Miniature Circuit Breakers

Technical Data

Product Type	Circuit Breaker			
Approvals	UL 489A			
Number of Poles	1	2	2 pole bridged	4 pole (2pole + 2pole) Parallel Bided
Operating Voltages	80 Vdc			
Standard Current Rating	70 A to 125 A		250 A	250 A
Interrupting S/C Capacity (Ics)	10 kA			

Product Type	Circuit Breaker			
Approvals	GB14048-2, IEC / EN 60947-2, CE, UKCA			
Number of Poles	1	2	2 pole bridged	4 pole (2pole + 2pole) Parallel Bided
Operating Voltages	80 Vdc			
Minimum Current Rating	70 A		140 A	
Maximum Current Rating	125 A		250 A	
Interrupting S/C Capacity (Ics)	5 kA			
Ultimate S/C Breaking Capacity (Icu)	10 kA			

Product Type	Circuit Breaker			
Approvals	AS / NZS 60947-2			
Number of Poles	1	2	2 pole bridged	4 pole (2pole + 2pole) Parallel Bided
Operating Voltages	80 Vdc			
Minimum Current Rating	70 A		140 A	
Maximum Current Rating	125 A		250 A	
Interrupting S/C Capacity (Ics)	5 kA			2.5 kA
Ultimate S/C Breaking Capacity (Icu)	10 kA			

Verify approvals for specific ratings in accordance with the relevant test certificates.

QT(26) - Series Miniature Circuit Breakers

Technical Data

Product Type	QT(26)
Ambient Operating Temperature	-40 °C to +85 °C
Mounting Options	Dual mounting (DIN & Mini)
Time Delay Curves	U2
Endurance	10000 operations - 1500 with current, 8500 without current (IEC 60947-2 Clause 7.2.4.2)* Minimum of 1000 operations with current (UL 489A Clause 12)*
Dielectric Strength	1000 - 2000 Vac for one minute (IEC 60947-2 Clause 8.3.3.3)* 1000 Vac plus twice the rated voltage for one minute (UL 489A Clause 8)*
Rated Impulse Withstand Voltage	4 kV (IEC 60947-2 Clause 8.3.3.2)*
Weight	200 g per pole (unpacked)
Altitude	Certification tests done at altitude ≈ 2000 metres. Will operate at higher altitudes.
Shock	50 G to MIL-STD-202G, test method 213B, test condition 1
Vibration	10 G to MIL-STD-202G, test method 204D, test condition A
Flammability	I3 - Ignition does not persist at 850 °C after glow wire is withdrawn with an oxygen index of ≥ 28
Toxicity	F1 - Smoke index of ≤ 20 which determines the fume class
Pollution Degree	PD2 - Normally only non-conductive pollution occurs. Temporary conductivity caused by condensation is to be expected.

* Refer to standard for details.

Circuit Breaker	Wire Size mm ² (IEC)	Wire Gauge (UL)	Torque (IEC)	Torque (UL)	Comments
Main Terminals	1 - 50 mm ²	14 – 1/0 – AWG	4 Nm	35 in-lb	Pozidriv #2 Combi head

QT(26) - Series Miniature Circuit Breakers

Long Code

Example Code: QT----2(26)-DM-U2-250A-----Z---80Vdc-10kA

Group	1	2	3	4	5	6	7	8	9	10	11	12	13
Requirement	QT Frame	Switch / Neutral	Not applicable	Two pole	26 mm module width	Dual mount	Medium delay curve 2	Current rating 250 A	Future use	Shunt trip	Future use	Bridged unit	Not applicable
Long Code	QT	-	-	2	(26)	DM	U2	250A	-	-	-	Z	-

Ordering Information

Group 1: Frame Type	Code	Description	Comments
	QT	Miniature DC circuit breaker	26 mm wide
Group 2: Switch/Neutral	Code	Description	Comments
	-	Not applicable	
Group 3: Auxiliary	Code	Description	Comments
	-	Not applicable	
Group 4: No of Poles	Code	Description	Comments
	1	Single pole	
	2	Double pole	Two pole or two pole bridged
	4	Four pole	Four pole / (2pole + 2pole bridged)
Group 5: Module Width	Code	Description	Comments
	(26)	26 mm module width	26 mm per pole
Group 6: Mounting	Code	Description	Comments
	DM	Dual mount – 57 mm escutcheon, black body	Dual mount supplied in black only
Group 7: Time Delays	Code	Description	Instantaneous Trip Point (x In) Comments
	U2	Medium time delay	7 – 10 White handle
Group 8: Current Ratings	Code / Description		Comments
	70, 80, 90, 100, 125, 250 A		Ratings available vary depending on certification, bridging configuration and voltage. * Other ratings are available as special orders. Check availability.
Group 9: Future Use	Code	Description	Comments
	-	For future use (-)	
Group 10: Shunt Trip	Code	Description	Comments
	-	Not applicable	If shunt trip is not required
	V5	48 - 125 Vdc and 96 - 250 Vdc	If shunt trip option carries no approval - available as a special order
Group 11: Future use	Code	Description	Comments
	-	For future use (-)	
Group 12: Special Terminations	Code	Description	Comments
	Z	Bridged unit (bridged to be fitted by customer)	Recommended busbar sizes refer to page 6 of 6
	ZL	Bridged unit (factory fitted)	* Refer to note below
Group 13: Customer Specific	Code	Description	Comments
	-	Not applicable	

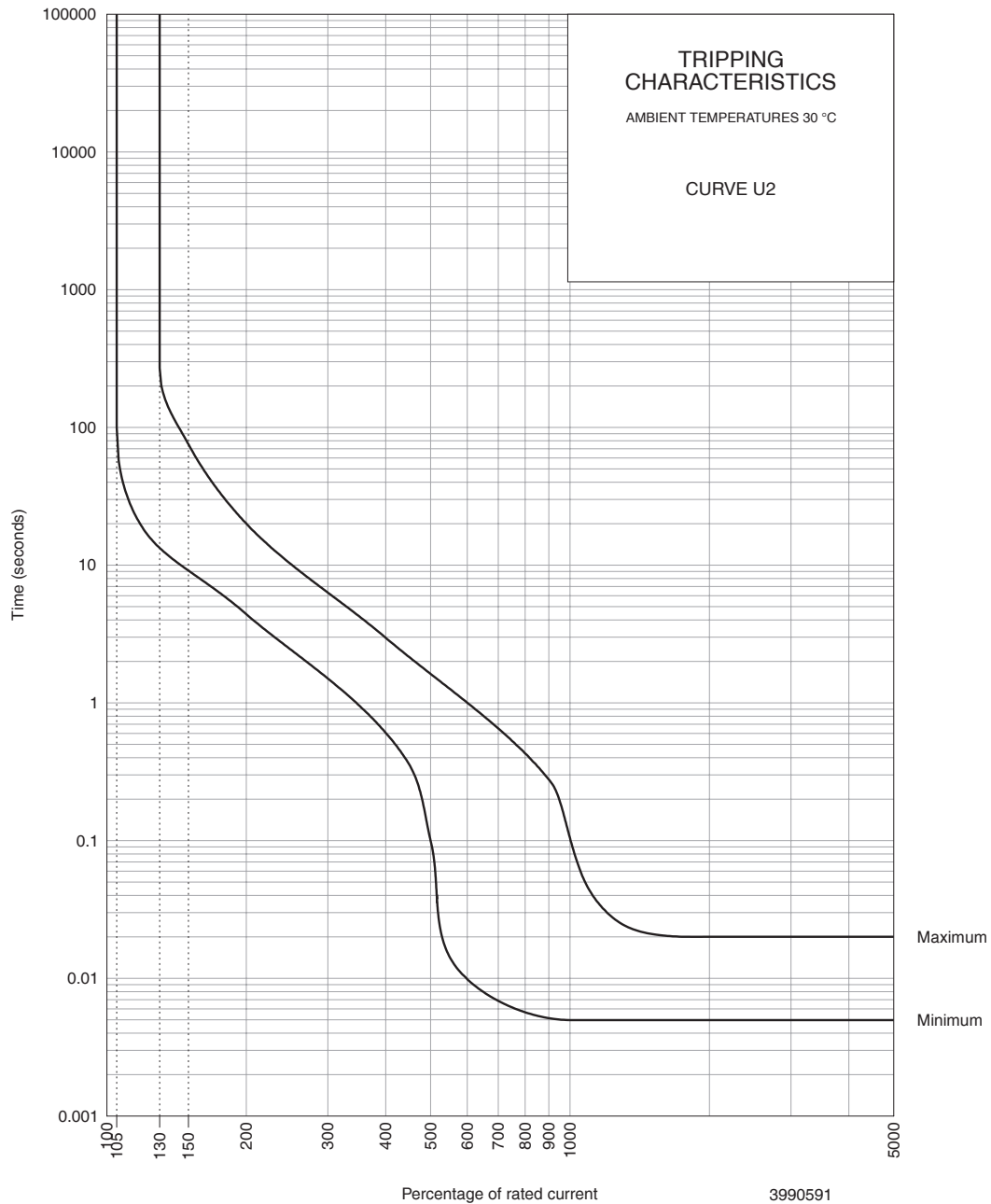
For options not listed, please contact CBI

*** Note:**

Group 12.ZL - As a norm CBI will supply the QT circuit breaker without busbars. Should the customer require the busbar, kindly consult CBI.

QT(26) - Series Miniature Circuit Breakers

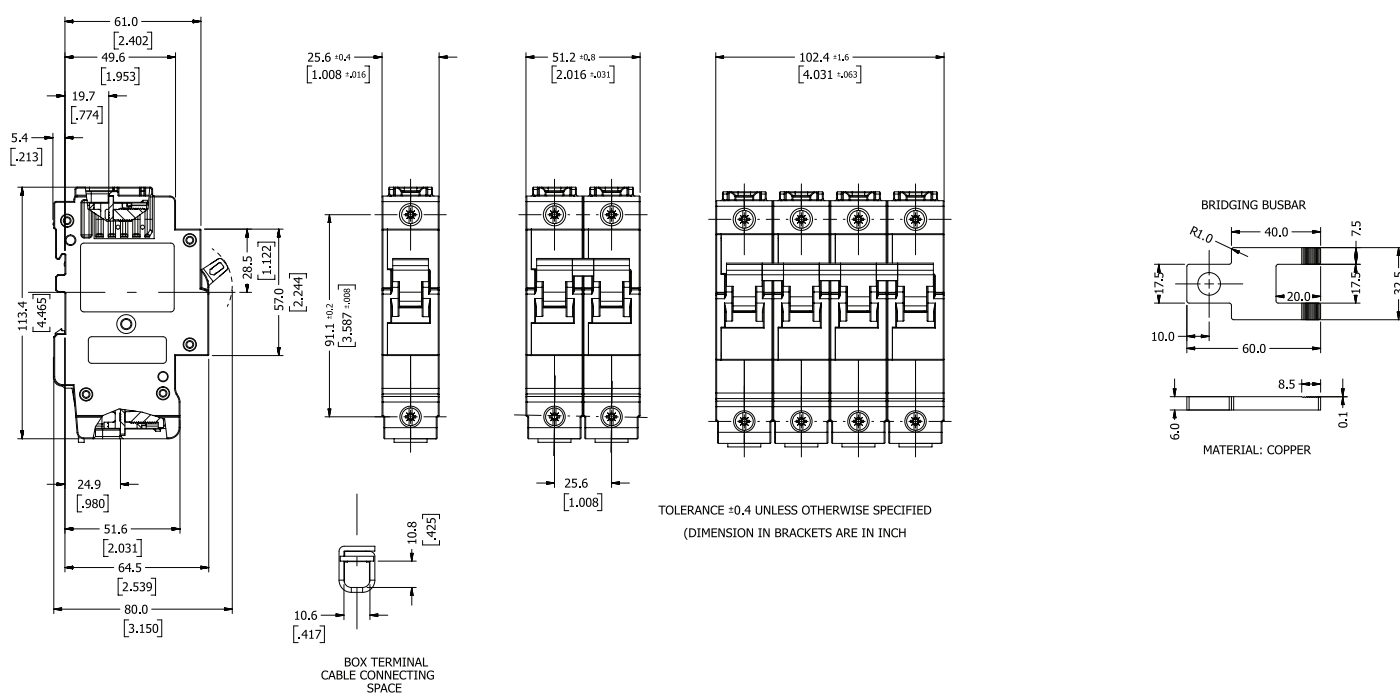
Time Delay Curve



PERCENTAGE OF RATED CURRENT	105%	130%	145%	150%	200%	300%	400%	500%	600%	700%	800%	900%	1000%	2000%
MINIMUM TRIP TIME IN SECONDS	NO TRIP	13	9.9	9.1	4.4	1.5	0.6	0.1	0.01	0.007	0.006	0.005	0.005	0.005
MAXIMUM TRIP TIME IN SECONDS	NO TRIP	270	92.3	75.5	20	6.3	3	1.6	1	0.65	0.43	0.28	0.1	0.02

QT(26) - Series Miniature Circuit Breakers

Outline Dimensions: Dual Mount



Please review our Customer Terms and Conditions on www.cbi-lowvoltage.co.za

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