





2 pole





Dual Mount Dual Mount 1 pole

Dual Mount 3 pole

Dual Mount

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rated current capability, independent of ambient temperature
- One, two, three pole, 1+N and 3+N (VDE)
- VC 8036 compliant
- SANS 556-1 tested
- VDE and EAC approved, CE certified
- Ratings 60 A to 100 A (UL 489)
- Ratings 60 A to 125 A (IEC 60947-2)
- Available in various currents and time delays
- Precision tripping characteristics
- Can be switched immediately after tripping
- Dual mount product in black shells
- Suitable to use for electrical isolation

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Switch disconnector (IEC / EN 60947-3, UL 508)
- Telecom / datacom equipment
- Lighting control
- **UPS** equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Escutcheon blank
- Safety blank

VC 8036



(IEC 60947-2/3)









Hydraulic-Magnetic Circuit Breakers are unaffected by ambient temperature and carries 100% rated current



Technical Data

Product Type	Circuit Breaker					
Approvals	IEC / EN 60947-2, CE, EAC, SANS 556-1 (VC 8036)					
Number of Poles	1 2 (1+N) 2 3 4 (3+N					
Operating Voltages	240 Vac 415 Vac					
Minimum Current Rating	60 A					
Maximum Current Rating	125 A					
Ultimate S/C Breaking Capacity (Icu)	6 kA (IEC), 5 kA (VC 8036)					

Product Type	Circuit Breaker					
Approvals	GB/T14048.2					
Number of Poles	1	2, 3, 3 + N, 4				
Operating Voltages	240 Vac 415 Vac					
Minimum Current Rating	60 A					
Maximum Current Rating	125 A					
Ultimate S/C Breaking Capacity (Icu)	6 kA					

Product Type	Circuit Breaker					
Approvals	UL 489					
Number of Poles	1 2					
Operating Voltages	120 Vac 120 / 240 Vac					
Minimum Current Rating	60 A					
Maximum Current Rating	100 A					
Ampere Interrrupting Capacity (AIC)	10 kA					

Product Type	Switch Disconnector						
Approvals	VC 8036 (SANS 556-1), IEC / EN 60947-3, UL 508, GB 14048.3						
Number of Poles	1 2 3 4 4 (3						
Operating Voltages	240 Vac 415 Vac						
Current Rating	125 A						
Short-time Withstand	6 kA / 50 ms						



Technical Data

Product Type	QF(26)HR			
Ambient Operating Temperature	-40 °C to +85 °C			
Mounting Options	Dual mounting (DIN & mini), surface mount			
Time Delay Curves	1, 2			
Endurance	10000 operations - 1500 with current, 8500 without current (IEC 60947-2 Clause 7.2.4.2)*			
Dielectric Strength	1000 - 2000 Vac for one minute (IEC 60947-2 Clause 8.3.3.3)*			
Rated Impulse Withstand Voltage	6 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.

Breaker QF	Wire Size mm² (IEC)	Torque (IEC)	Comments	
1 Pole to 4 Pole	1 - 50 mm²	4 Nm	Pozidriv #2	
1 Pole to 4 Pole	1 - 50 11111	4 11111	Combi head	



Long Code

Example Code: QF----3(26)-DM-2-125A-HR----

Group	1	2	3	4	5	6	7	8	9	10	11	12
Requirement	QF Frame	Switch / neutral	N/A	No of poles	Module width	Dual mount	Medium delay curve	Current rating	Mechanism Type	Shunt trip	Future use	Future use
Long Code	QF	-	-	3	(26)	DM	2	125A	HR	-	-	-

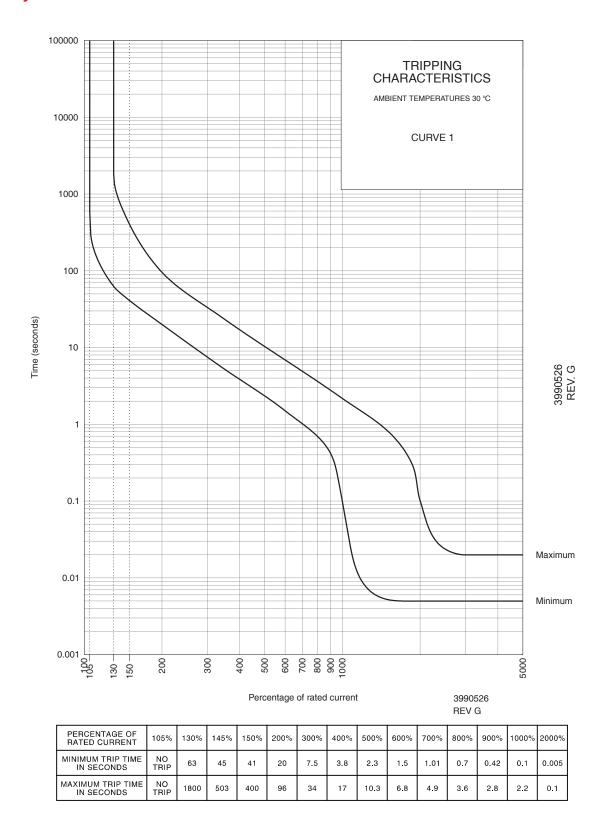
Ordering Information

Group 1:	Code	Description	Commen	ts			
Frame Type	QF	Miniature circuit breaker					
Group 2:	Code	Description	Commen	ts			
Switch/Neutral	-	Not applicable					
	N	Neutral					
Group 3:	Code	Description	Commen	ts			
Auxiliary	-	Not applicable					
Group 4:	Code	Description	Commen	ts			
No. of Poles	1	Single pole					
	2	Double pole	2 pole or 1	+N			
	3	Triple pole					
	4	Four pole	3+N only	/			
Group 5:	Code	Description	Commen	ts			
Module Width	(26)	26 mm module width					
Group 6:	Code	Description	Commen	ts			
Mounting	DM	Dual mount	Dual mount supplied in black or	nly - 57 mm escutcheon			
Group 7:	Code	Description	Instantaneous Trip Point (x In)	Comments			
Time Delays	1	Long time delay, high instantaneous trip	10 – 20	Orange handle			
	2	Medium time delay	5 – 10	White handle			
Group 8: Current		Code / Description	Commen	ts			
Ratings		60, 70, 80, 90, 100, 125 A					
Group 9: Type	Code	Description	Commen	ts			
Mechanism	HR	SF Mechanism					
Group 10:	Code	Description	Commen	ts			
Shunt Trip	-	Not applicable					
Group 11	Code	Description	Comments				
	-	Not applicable	For future use (-)				
Group 12	Code	Description	Comments For future use (-)				
Special Termination	-	Not applicable					

For options not listed, please contact CBI

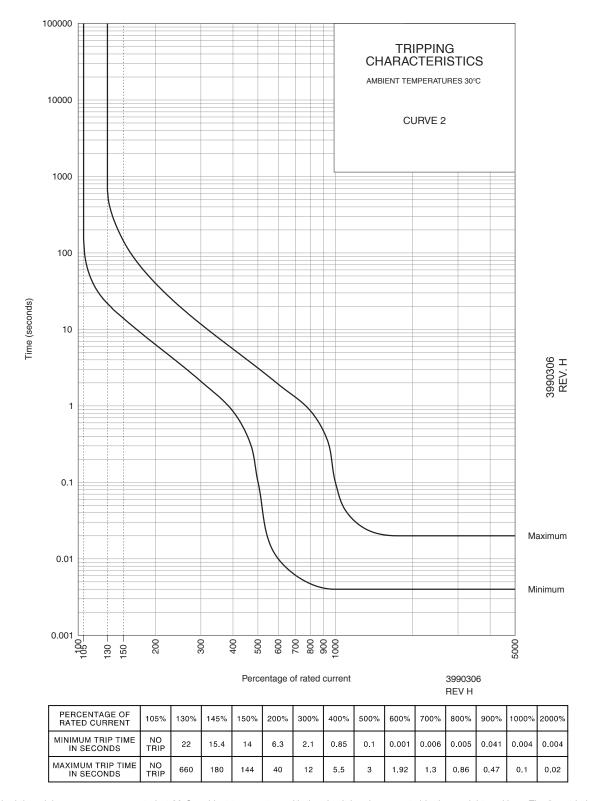


Time Delay Curve





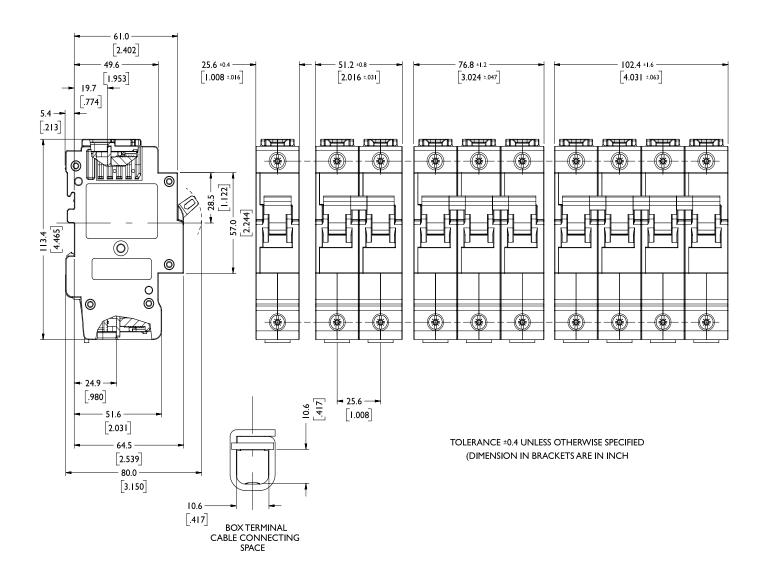
Time Delay Curve



^{*} The published time delay curves are generated at 30°C ambient temperature with the circuit breaker mounted in the up-right position. The "must hold", "must trip" and "instantaneous trip" current values are not affected by temperature, although delay time for the other operating current values may have to be adjusted using the temperature compensation curve which is available on request.



Outline Dimensions: Dual Mount



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