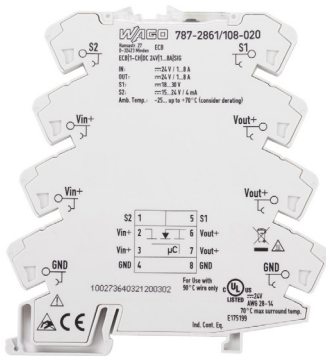




# Single Channel Electronic Circuit Breakers

## Features

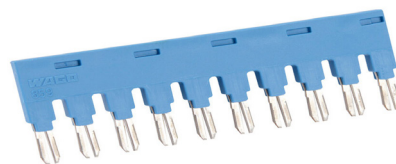
- Space-saving ECB with one channel
- This model safely and reliably stops power in the event of an overload or if it short circuits on the secondary side
- The switch on capacity is > 50,000  $\mu$ F
- Minimizes wiring via two voltage outputs and maximizes commoning options in both input and output sides
- Switch the breaker on or off via remote input, or a local switch
- Prevents power supply overload due to total inrush current thanks to time delayed switching on during interconnected operation
- Bus up to 10 units together with the use of Jumper Bars



**787-2861-108-020**

Single Channel Electronic Circuit Breaker Selection Chart							
Part Number	Price	Quantity Per Pack	Nominal Output Current	Mounting	Connection	Wiring	Drawing Link
<a href="#">787-2861-100-000</a>	\$57.00	1	1A [Fixed Setting]	35mm DIN rail	Push-In CAGE CLAMP®	Diagram 1	<a href="#">PDF</a>
<a href="#">787-2861-200-000</a>	\$57.00	1	2A [Fixed Setting]				<a href="#">PDF</a>
<a href="#">787-2861-400-000</a>	\$57.00	1	4A [Fixed Setting]				<a href="#">PDF</a>
<a href="#">787-2861-600-000</a>	\$57.00	1	6A [Fixed Setting]				<a href="#">PDF</a>
<a href="#">787-2861-800-000</a>	\$57.00	1	8A [Fixed Setting]				<a href="#">PDF</a>
<a href="#">787-2861-108-020</a>	\$65.00	1	1 – 8A [Adjustable]				<a href="#">PDF</a>

Single Channel Electronic Circuit Breaker Selection Chart: Accessories						
Part Number	Price	Description	Quantity Per Pack	Color	Nominal Current	Drawing Link
<a href="#">60432948</a>	\$11.00	10 Pole Jumper Bar	5	Blue	18A	<a href="#">PDF</a>
<a href="#">60432947</a>	\$11.00		5	Red		<a href="#">PDF</a>



**60432948**



# Single Channel Electronic Circuit Breakers

Single Channel ECB Specifications	
Nominal Input Voltage	24VDC
Input Voltage Range	18 – 30VDC
Total Number of Channels	1
Nominal Output Voltage	24VDC
Output Voltage Range	18 – 30VDC
Voltage Drop	less than or equal to 50mV
Nominal Output Current	See Selection Chart
Trip Time	4ms to 100s [Load-Dependent]
Switch-On Capacity	50,000uf per channel
Switch-On Behavior	Time-delayed channel switching [Load-dependent, minimum ]
Active Current Limitation	No
Signaling	1 x Status LED [green/yellow/red/blue] 1x Control input 1 x active signal output [Ui max. 4mA]
Operation Status Indicator	See LED Operation Table
Remote Input	18 to 30VDC signal, switches on/off and resets the channel
Fuse Protection	15A [Internal Fuse]
Isolation Voltage	DC 0.5 kV
Protection Type	IP20 [per EN 60529]
Reverse Voltage Protection	No
Transient Suppression	Suppressor diode [33V]
Series/Parallel Operation of Single Channels	Not Permitted
Tightening Torque	N/A
Weight g [oz]	3.79 [0.0083]
Connectors	Push-In CAGE CLAMP®, Solid Conductor 28-14 AWG, Stranded Conductor 22-14 AWG
Agency Approvals	EN 61000-6-2; EN 61000-6-3; UL 61010-2-201; CE; RoHS
Surrounding Air Temperature (Operation)	-25 to 70°C [-13 to 158°F]
Surrounding Air Temperature (Storage)	-40 to 85°C [-40 to 185°F]
Relative Humidity	10 to 95% [no condensation permissible]
Derating	No derating
Pollution Degree	2

LED Operation	
Explanation	Status LED
Initialization of the device (boot routine)	Off
Channel switched ON	Green
Channel switched ON Load current > 90% nominal current	Green flashing [1Hz]
Channel switched ON Load current > 100% nominal current (overload)	Green flashing [5Hz]
Channel switched OFF manually or through input S1	Red
Channel tripped Wait for temperature to return to normal	Red flashing [1Hz]
Channel tripped Temperature returned to normal. Channel can be switched ON again	Yellow flashing [1Hz]
Channel tripped Undervoltage with simultaneous overcurrent	Blue flashing [1Hz]
Channel tripped, undervoltage	Blue flickering [1Hz]
Channel tripped, overvoltage	Red flickering [1Hz]
Device error, wiring error, feedback voltage	Red/blue flashing [1Hz]

Diagram 1

