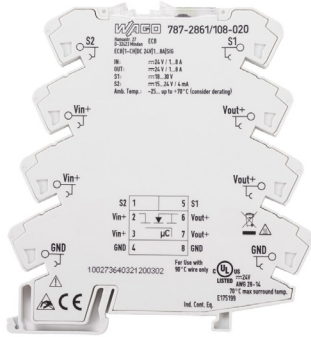




Single Channel Electronic Circuit Breakers

Features

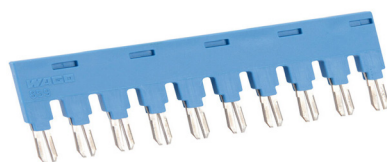


787-2861-108-020

- 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 $>50,000 \mu\text{F}$
- 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

Single Channel Electronic Circuit Breaker Selection Chart							
Part Number	Price	Quantity Per Pack	Nominal Output Current	Mounting	Connection	Wiring	Dimensions
787-2861-100-000		1	1A (Fixed Setting)	35mm DIN Rail	Push-In CAGE CLAMP®	Diagram 1	PDF
787-2861-200-000		1	2A (Fixed Setting)				PDF
787-2861-400-000		1	4A (Fixed Setting)				PDF
787-2861-600-000		1	6A (Fixed Setting)				PDF
787-2861-800-000		1	8A (Fixed Setting)				PDF
787-2861-108-020		1	1 – 8A (Adjustable)				PDF

Single Channel Electronic Circuit Breaker Selection Chart: Accessories						
Part Number	Price	Description	Quantity Per Pack	Color	Nominal Current	Dimensions
60432948		10 Pole Jumper Bar	5	Blue	18A	PDF
60432947			5	Red		PDF



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	4 ms to 100 s (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 30 VDC 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	3.79 g (0.0083 lbs)
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 (1 Hz)
Channel switched ON Load current > 100% nominal current (overload)	Green flashing (5 Hz)
Channel switched OFF manually or through input S1	Red
Channel tripped Wait for temperature to return to normal	Red flashing (1 Hz)
Channel tripped Temperature returned to normal. Channel can be switched ON again	Yellow flashing (1 Hz)
Channel tripped Undervoltage with simultaneous overcurrent	Blue flashing (1 Hz)
Channel tripped, undervoltage	Blue flickering (1 Hz)
Channel tripped, overvoltage	Red flickering (1 Hz)
Device error, wiring error, feedback voltage	Red/blue flashing (1 Hz)

Diagram 1

