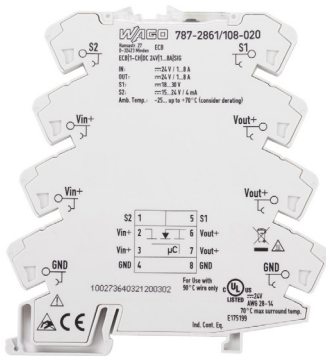




Single Channel Electronic Circuit Breakers

Features

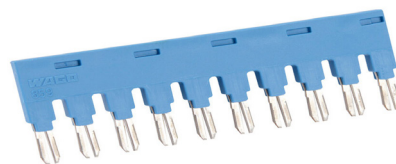
- Space-saving ECB with one channel
- This model safely and reliably stops power in the event of an overload or if it short circuits on the secondary side
- The switch on capacity is > 50,000 μ F
- Minimizes wiring via two voltage outputs and maximizes commoning options in both input and output sides
- 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							
Part Number	Price	Quantity Per Pack	Nominal Output Current	Mounting	Connection	Wiring	Drawing Link
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 Accessories						
Part Number	Price	Description	Quantity Per Pack	Color	Nominal Current	Drawing Link
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	24 VDC
Input Voltage Range	18–30 VDC
Total Number of Channels	1
Nominal Output Voltage	24 VDC
Output Voltage Range	18–30 VDC
Voltage Drop	less than or equal to 50 mV
Nominal Output Current	See Selection Chart
Trip Time	4 ms to 100s [Load-Dependent]
Switch-On Capacity	50,000 uf 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. 4 mA]
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 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 [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

