

Electro -magnetic Contactor

Type WIS C-1510



● Master Controller

Application : Electric Multiple Units (EMU)
Function: Speed control
Powering and braking control
Forwarding and reversing control
Composition : Main handle, Reversing handle



● High Speed Circuit Breaker

Application : Main circuit of EMU
Pole configuration : Single-pole
Main circuit voltage : 1500V DC
Main circuit current : 1200A
Control circuit voltage : 100V DC
Breaking capacity : 1500V DC, 0.5mh, 30kA



● Auxiliary Relay

Application : DC control circuit of EMU
Contact resistance : 50mΩ or less
Operating voltage : 70~110% of rated voltage
Withstand voltage : 1200V AC, 60Hz for 1min.
Breaking capacity : 100V DC, 5A



● Magnetic Switch

Application : Main circuit of diesel electric locomotive
Pole Configuration : Double-pole
Main Circuit Voltage: 1000V DC
Main Circuit Current: 1000A
Control Circuit Voltage: 74V DC



● Magnetic Power Contractor

Application : Main circuit of diesel electric locomotives
Pole Configuration : Single-pole
Main Circuit Voltage: 1000V DC
Main Circuit Current: 1000A
Control Circuit Voltage: 74V DC



Guide of Other Products

- DC High Speed Circuit Breaker
- DC Electro-Magnetic Contactor
- AC Vacuum Contactor
- Magnetic Valve
- Protective Relay
- Power Relay
- Aux. Switch
- Wire Wound Resistor

Electro-magnetic Contactor WIS C 1510

Description

WIS C-1510 is the electro-magnetic contactor that can be used for the main circuit in electric railcars and general industry. Breaking capacity of our contactor is extensive from small to large current, and it has features for high-speed load switching. Users will be extremely satisfied with its compact shape and size.

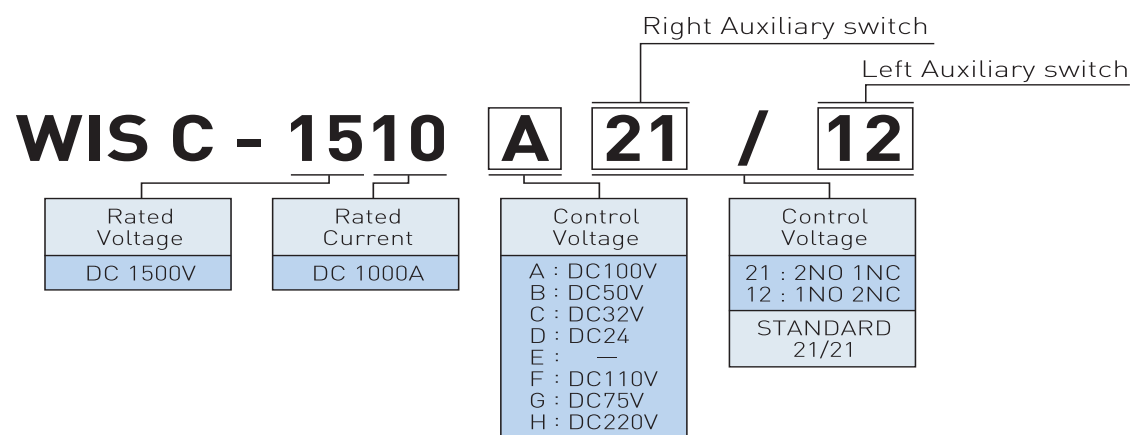
Features Include

1. We improved the safety of housing and arc chute due to use on difficult material according to the 94V0 or 5V of UL.
2. Contact errors are minimized, because the contact unit and the actuating mechanism are sandwich-type structure with double-sided housing.
3. Breaking capacity is increased because of the grid-type arc chute of double blow out coil with split structure.
4. Our contactor can get a superior melting-resistance, because it is using the double tip structure with main tip (AgCdO) and arc tip (AgW).
5. Our contactor has excellent contact reliability, because it's structure of powerful plunger type.
6. We improved the safety of operation from all dust by using the cap and dry-bushings.
7. We are in order that improve contact reliability of auxiliary switch may selected twin contact with wiping action.

External View



To Order



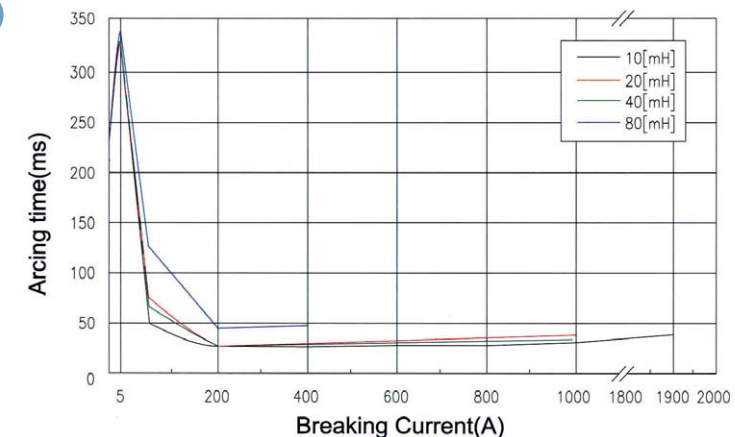
Technical Details General

Division	Performance
Ambient temperature	25 to +60C (40C Continuous)
Switching interval	2 Operations / sec (max.)
Mechanical life	3 Million Operations (min.)
Standard	IEC 77 (1968)
Weights	15.5kg (With Arc Chute)
Patent	No.98-12941 July 14, '98 Korea

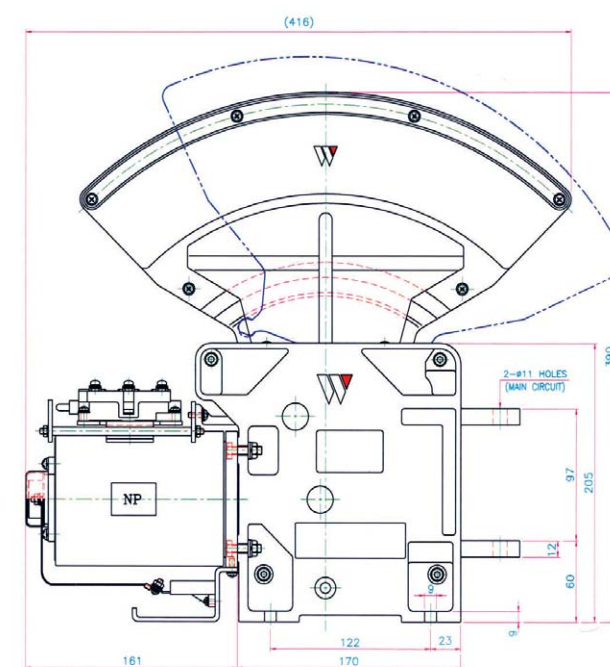
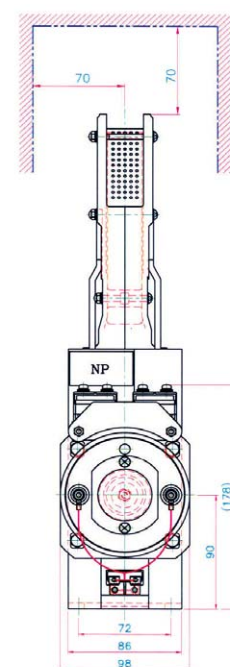
Technical Details Main Circuit

Division	Specification
Number of Pole	1-Normally Open Contact
Rated Voltage	DC 1,500V
Max. Service Voltage	DC 2,000V
Rated Current	DC 1,000V
Short Time Current	DC 10,000A (100ms)
Distance of Contact	17 ± 1mm (Arc Tip)
Contact Pressure	7 ± 1kgf (Main Tip) 3.5 ± 0.5kg (Arc Tip)
Mechanical Making Time	Appr. 130ms
Mechanical Breaking Time	Appr. 60ms

Current & Arcing Time (DC 1500V)



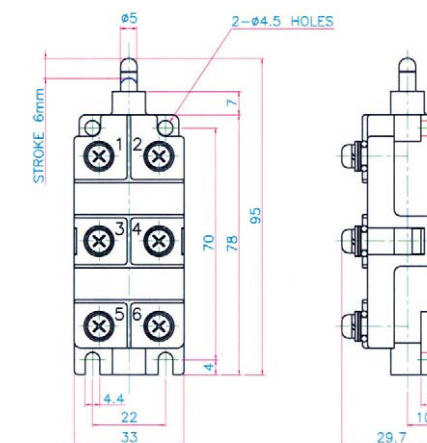
Dimension of External View



Technical Details General (Aux Switch)

Division	Specification
Number of Poles	Customer Options (See "To Order")
Breaking Capacity	DC 100V 0.6A (WIS C-1510 coil load) DC 100V 3A (resistance load)
Max. Service Current	DC 100V 10A AC 250V 10A
Voltage Withstanding	AC 1500V 60Hz / 1min
Mechanical Life	3 milion Operations

Dimension of External View



Aux Switch Option (BESTACT)

※ The control circuit will be protected from excess muck buildup or harmful gas due to our hermetically sealed contact "BESTACT"