

seae

Dimensions in mm [inches]

ApplicationUninterruptedThermal Current Rating:350AIntermittent Current Rating:350A30% Duty640A40% Duty555A50% Duty4495A60% Duty420ARated Fault Current Breaking Capacity (cn) 5ms Time Constant: (<i>in accordance with UL583</i> *)70% DutyRU2801500A at 48V D.C.RU2801500A at 48V D.C.RU2801500A at 48V D.C.RU280525A at 60V D.C.RU280525A at 60V D.C.RU28060V D.C.RU28096V D.C.Coll Voltage Drop per pole across New Contacts at 350AAmsimum Recommended Contact VitageColl Voltage Available (Us) (Rectifier board required for A.C.)From 6 to 240V A.C./D.C.Coll Voltage Available (Us) (Rectifier board required for A.C.)Fron 10 subation:Highly Intermittent Rated TypesContinuously Rated TypesMaximum Puli-In Voltage (Coll at 2) Cuideline:Highly Intermittent Rated types (Max 25% Duty Cycle)Maximum Puli-In Voltage (Coll at 2) Cuideline:Highly Intermittent Rated types (Max 25% Duty Cycle)Prolonged Operation (Max 90% Duty Cycle)Pro					
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(Max 70% Duty Cycle)00% 0sProlonged Operation (Max 90% Duty Cycle)60% UsContinuously Rated Types (100% Duty Cycle)66% UsDrop-Out Voltage Range10 - 25% UsTypical Pull-In Time30msTypical Drop-Out Time (N/O Contacts to Open):Without Suppression8msWith Diode Suppression60msWith Diode and Resistor (Subject to resistance value)Typical Contact Bounce Period3msOperating Ambient Temperature- 40°C to + 60°CGuideline Contactor Weight:RU280755 gmsWith Blowouts+ 50 gmsWith Blowouts+ 50 gmsAuxiliary Thermal Current Rating5AAuxillary Contact Switching Capatilities (Resistive Load):RU280RU280AContact SWitching Capatilities (Resistive Load):Auxiliary Contact Switching Capatilities (Resistive Load):Contact Switching Capatilities (Resistive Load):RU280CSA at 24V D.C.SA at 24V D.C.	(Max 25% Duty Cycle)	60% U _S			
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(100% Duty Cycle)00% 0%(100% Duty Cycle)00% 0%Drop-Out Voltage Range10 - 25% U%Typical Pull-In Time30msTypical Drop-Out Time (N/O Contacts to Open):Without Suppression8msWith Diode Suppression60msWith Diode and Resistor (Subject to resistance value)25msTypical Contact Bounce Period3msOperating Ambient Temperature- 40°C to + 60°CGuideline Contactor Weight:755 gmsRU280755 gmsWith Auxiliary+ 20 gmsWith Blowouts+ 50 gmsAuxiliary Thermal Current Rating5AAuxiliary Contact Switching Capatilities (Resistive Load):RU280CRU280ASA at 24V D.C.2A at 48V D.C.	(Max 90% Duty Cycle)	60% U _S			
Typical Pull-In Time 30ms Typical Drop-Out Time (N/O Contacts to Open): Without Suppression 8ms With Diode Suppression 60ms With Diode and Resistor 25ms With Diode and Resistor 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature - 40°C to + 60°C Guideline Contactor Weight: 755 gms RU280 755 gms With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280A RU280C RU280A SA at 24∨ D.C. 2A at 48∨ D.C.	Continuously Rated Types (100% Duty Cycle)	66% U _s			
Typical Drop-Out Time (N/O Contacts to Open): Without Suppression 8ms With Diode Suppression 60ms With Diode and Resistor 25ms (Subject to resistance value) 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature - 40°C to + 60°C Guideline Contactor Weight:	Drop-Out Voltage Range	10 - 25% U _s			
Without Suppression 8ms With Diode Suppression 60ms With Diode and Resistor (Subject to resistance value) 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature - 40°C to + 60°C Guideline Contactor Weight: - RU280 755 gms With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A SA at 24∨ D.C. 2A at 48∨ D.C.	Typical Pull-In Time 30ms				
With Diode Suppression 60ms With Diode and Resistor (Subject to resistance value) 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature -40°C to +60°C Guideline Contactor Weight: -40°C to +60°C RU280 755 gms With Auxiliary +20 gms With Blowouts +50 gms Auxiliary Thermal Current Rating 5A Auxillary Contact Switching Capabilities (Resistive Load): 1000000000000000000000000000000000000	Typical Drop-Out Time (N/O Contacts to Open):				
With Diode and Resistor (Subject to resistance value) 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature - 40°C to + 60°C Guideline Contactor Weight: - 40°C to + 60°C RU280 755 gms With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Details Auxillary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.	Without Suppression	8ms			
(Subject to resistance value) 25ms Typical Contact Bounce Period 3ms Operating Ambient Temperature -40°C to + 60°C Guideline Contactor Weight: -40°C to + 60°C RU280 755 gms With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxillary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.	With Diode Suppression	60ms			
Operating Ambient Temperature - 40°C to + 60°C Guideline Contactor Weight: - RU280 755 gms With Auxiliary + 20 gms With Auxiliary + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.		25ms			
Guideline Contactor Weight: RU280 755 gms With Auxiliary + 20 gms With Aluxiliary + 50 gms With Blowouts + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxilliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.	Typical Contact Bounce Period	3ms			
RU280 755 gms With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): 1000000000000000000000000000000000000	Operating Ambient Temperature	- 40°C to + 60°C			
With Auxiliary + 20 gms With Blowouts + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.	Guideline Contactor Weight:				
With Blowouts + 50 gms Auxiliary Details Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280C RU280A 5A at 24∨ D.C. 2A at 48∨ D.C.	RU280	755 gms			
Auxiliary Details Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24V D.C. 2A at 48V D.C.	With Auxiliary	+ 20 gms			
Auxiliary Thermal Current Rating 5A Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24V D.C. 2A at 48V D.C.	With Blowouts	+ 50 gms			
Auxiliary Contact Switching Capabilities (Resistive Load): RU280C RU280A 5A at 24V D.C. 2A at 48V D.C.	Auxiliary D	Details			
RU280C RU280A 5A at 24V D.C. 2A at 48V D.C.	Auxiliary Thermal Current Rating	5A			
5A at 24V D.C. 2A at 48V D.C.	Auxiliary Contact Switching Capabilities (Resistive Load):				
2A at 48V D.C.	RU280C	RU280A			
	5A at 24V D.C.				
0.5A at 240V D.C.					

The Reduced Silver series are suitable for applications where infrequent switching is specified. In such applications the degradation of the tip is minimal and therefore a higher volume of silver is unnecessary. Developed for Uninterrupted current applications the RU280 is typically used in line contactors or **Power Distribution Systems.**

Uninterrupted current - no or infrequent load switching requirements (maintains a lower contact resistance).

The contactors have double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. They are easy to install, with M5 tapped holes in the switch frame together with a range of mounting brackets. Mounting can be vertical or horizontal, when vertical the M10 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.

132[5.19]



RU280

67 [2.64]

47 [1.84]

3mm [0.25] ADE TERMINALS

28 0.91

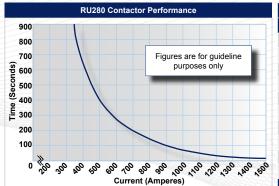
56

⁴⁰[1.

/4

61[2.39]

111[4.39] 47 1.84 57[2.24] 46[1.80] 23[0.90] 18[0.71] 76] M10 MAIN TERMINALS TO BE TIGHTENED WITHIN RANGE 13.4 - 14.6Nm 45 [1. 0 6.3mm [0.25] SPADE TERMINALS FOR COIL CONNECTIONS 126 [4.95] 6.3mm [0.25] SPADE TERMINALS FOR V3 AUXILIARY CONNECTIONS ARMATURE CAP M5 MOUNTING HOLES (4 OFF PER SIDE) Æ 37 [1.44] 25[1.00] Ð Æ 13[0.51] 16[0.63] RU280A (Auxiliary Contacts)



Contact Performance Key:

_	Uninterrupte

Uninterrupted
Current

Connection Diagram				
RU280C	RU280A			
AUXILIARY CONTACT				
+	+			

8

General		Suffix			
Auxiliary Contacts	0	А			
Auxiliary Contacts - V3	0	С			
Magnetic Blowouts [†]	0	В			
Magnetic Blowouts - High Powered [†]	0	В			
Armature Cap	•				
Mounting Brackets	0				
Magnetic Latching [†] (Not fail safe)	0	М			
Closed Contact Housing	0				
Environmentally Protected IP66	0	Ρ			
EE Type (Steel Shroud)	0	EE			
Contacts					
Textured Tips	0	Т			
Silver Plating	х				
Coil					
AC Rectifier Board (Fitted)	0				
Coil Suppression [†]	0				
Flying Leads	0	F			
Junior Power Timer Connector	0				
Manual Override Operation	0				
M4 Stud Terminals	х				
M5 Terminal Board	0				
Vacuum Impregnation	0				
Key: Optional O Standard •	Not Availa	able X			
[†] Connections become polarity sensitive					

RU280 Available Options

Key: 🖌 = Uninterrupted Note: Where applicable values shown are at 20°C

Copper busbar

Cable

* Please check our web site for product UL status

Advised Connection Sizes for Maximum Continuous Current

Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.

228mm² [0.353 inch²]

Rated suitable for Application

- Thermal current ratings stated are dependant upon the size of conductor being used For further technical advice email: technical@albrightinternational.com
- Albright reserve the right to change data without prior notice

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