SIEMENS

Data sheet

US2:45EG20AF



Contactor, 45DP, 30A, 2P, Open, 120 Contactor, 45DP, 30A, 2P, Open, 120

Figure sin	milar
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design of the product Non-reversing Definite Purpose Contactor special product feature Enclosed body and coll with standard cover General technical data	product brand name	Class 45 DP Contactors	
General technical data 0.58 lb weight [Ib] 0.58 lb Height x Width x Depth [in] 3.19 x 1.97 x 2.46 in touch protection against electrical shock Not finger-safe ambient temperature ['F] 158 "F • during operation 158 "F ambient temperature 75 °C • during operation 70 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A number of NC contacts for main current circuit at AC at 60 Hz 600 V operating voltage for main current circuit at AC at 60 Hz 600 V maximum 2 600 V operating voltage for main current circuit at AC at 60 Hz 800 V maximum 2 600 V maximum 2 600 V maximum 0 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 0 2 operating voltage for main current circuit at AC at 60 Hz 00 V mother of NC contacts for auxiliary contacts 0 number of NC contacts to contactor for auxiliary contacts	design of the product	Non-reversing Definite Purpose Contactor	
weight [lb] 0.58 lb Height x Width x Depth [in] 0.58 lb touch protection against electrical shock 3.19 × 1.97 × 2.46 in ambient temperature ['F] 0.dring operation • during operation 158 °F ambient temperature 158 °F • during operation 75 °C • during operation 75 °C • during operation 70 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A operating voltage for main current circuit at AC at 60 Hz main contacts 2 operating voltage for main current circuit at AC at 60 Hz main contacts typical 250000 Acktilary contact 0 120 A mechanical service life (switching cycles) of the main contacts typical 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts	special product feature	Enclosed body and coil with standard cover	
Height x Width x Depth [in] 3.19 × 1.97 × 2.46 in touch protection against electrical shock Not finger-safe ambient temperature ("F] 158 "F • during operation 158 "F ambient temperature 75 °C • during operation 70 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A size of contacts for main current circuit at AC at 60 Hz 80A operating voltage for main current circuit at AC at 60 Hz 20000 operational current at AC at 600 V rated value 120 A operational current at AC at 600 V rated value 250000 operation voltage for no auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of	General technical data		
Itude protection against electrical shock Not finger-safe ambient temperature ['F] 4uring storage • during operation 158 "F ambient temperature 158 "F • during operation 75 °C • during operation 70 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A size of contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V mechanical service life (switching cycles) of the main contacts typical 250000 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxil	weight [lb]	0.58 lb	
amblent temperature [°F] 158 °F • during operation 158 °F amblent temperature 158 °F • during operation 75 °C • during operation 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A size of contacts for main current circuit at AC at 60 Hz 600 V maximum contact service life (switching cycles) of the main contacts typical operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts	Height x Width x Depth [in]	3.19 × 1.97 × 2.46 in	
	touch protection against electrical shock	Not finger-safe	
• during operation 158 158 °F ambient temperature 75 °C • during operation 70 70 °C country of origin China number of poles for main current circuit 2 Contactor 30A number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts to rauxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0	ambient temperature [°F]		
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country of origin China number of poles for main current circuit 2 Contactor 30A number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts typical 250000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil Coil control supply voltage 110 V • at AC at 50 Hz rated value 110 · 120 V Enclosure Open device (no enclosure) degree of protection	 during storage 	75 °C	
number of poles for main current circuit 2 Contactor 30A number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz maximum 600 V operational current at AC at 600 V rated value 120 A operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts typical 250000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil Coil control supply voltage 110 V • at AC at 50 Hz rated value 110 120 V Enclosure Open device (no enclosure) Mounting/wiring	during operation	70 70 °C	
Contactor 30A number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 120 A operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts typical 250000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts maximum 0 Coil 110 V e at AC at 50 Hz rated value 110 V e at AC at 60 Hz rated value 110 V e at AC at 60 Hz rated value 10 120 V Enclosure Open device (no enclosure)	country of origin	China	
size of contactor 30A number of NO contacts for main contacts 2 operating voltage for main current circuit at AC at 60 Hz 600 V maximum 600 V operational current at AC at 600 V rated value 120 A mechanical service life (switching cycles) of the main contacts typical 250000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of ND contacts at contactor for auxiliary contacts 0 number of ND contacts at contactor for auxiliary contacts 0 number of ND contacts at contactor for auxiliary contacts 0 number of ND contacts at contactor for auxiliary contacts 0 control supply voltage 110 V at AC at 50 Hz rated value	number of poles for main current circuit	2	
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maximum interview	number of NO contacts for main contacts	2	
mechanical service life (switching cycles) of the main contacts typical 250000 Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil 0 control supply voltage 110 V • at AC at 50 Hz rated value 110 120 V Enclosure Open device (no enclosure) Mounting/wiring Open device (no enclosure)		600 V	
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number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil 0 control supply voltage 110 V • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 0 Hounting/wiring 0		250000	
number of NO contacts for auxiliary contacts 0 number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil 0 control supply voltage 110 V • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure Open device (no enclosure) Mounting/wiring 0	Auxiliary contact		
number of NC contacts at contactor for auxiliary contacts 0 number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil 0 control supply voltage 110 V • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure Open device (no enclosure) Mounting/wiring 0	number of NC contacts for auxiliary contacts	0	
number of NO contacts at contactor for auxiliary contacts 0 number of total auxiliary contacts maximum 0 Coil 0 control supply voltage 110 V • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure 0 degree of protection NEMA rating of the enclosure 0 Open device (no enclosure) Mounting/wiring 0	number of NO contacts for auxiliary contacts	0	
number of total auxiliary contacts maximum 0 Coil	number of NC contacts at contactor for auxiliary contacts	0	
Coil control supply voltage • at AC at 50 Hz rated value • at AC at 60 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure degree of protection NEMA rating of the enclosure Open device (no enclosure) Mounting/wiring	number of NO contacts at contactor for auxiliary contacts	0	
control supply voltage 110 V • at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure degree of protection NEMA rating of the enclosure Mounting/wiring Open device (no enclosure)	number of total auxiliary contacts maximum	0	
• at AC at 50 Hz rated value 110 V • at AC at 60 Hz rated value 110 120 V Enclosure degree of protection NEMA rating of the enclosure Mounting/wiring Open device (no enclosure)	Coil		
	control supply voltage		
Enclosure degree of protection NEMA rating of the enclosure Open device (no enclosure) Mounting/wiring Open device (no enclosure)	 at AC at 50 Hz rated value 	110 V	
degree of protection NEMA rating of the enclosure Open device (no enclosure) Mounting/wiring	 at AC at 60 Hz rated value 	110 120 V	
Mounting/wiring	Enclosure		
	degree of protection NEMA rating of the enclosure	Open device (no enclosure)	
mounting position vertical	Mounting/wiring		
	mounting position	vertical	

fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf·in] for supply	25 25 lbf·in
type of connectable conductor cross-sections at line-side at AWG cables single or multi-stranded	8 AWG
type of electrical connection for load-side outgoing feeder	Screw-type terminals
type of connectable conductor cross-sections at AWG cables for load-side outgoing feeder single or multi- stranded	8 AWG
type of electrical connection of magnet coil	Quick connects
type of electrical connection at contactor for auxiliary contacts	Screw-type terminals
Certificates/approvals	
certificate of suitability	cRUus, ARI 780 & 790, UL File E14900
Further information	
Industrial Controls - Product Overview (Catalogs, Brochu www.usa.siemens.com/iccatalog Industry Mall (Online ordering system)	

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:45EG20AF

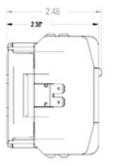
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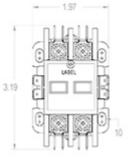
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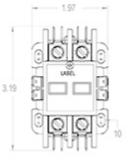
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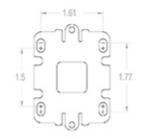
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30-40A 2 Pole









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10/28/2020 🖸