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Data sheet US2:42FE35AF

	Contactor, 42DP,75A,3P,Open,120 Contactor, 42DP,75A,3P,Open,120
Product brand name	Class 42 DP Contactors
Design of the product	Non-reversing Definite Purpose Contactor
Special product feature	Snap on auxiliary contacts, enclosed body design
General technical data	
Weight [lb]	4.08 lb
Height x Width x Depth [in]	5.02 × 3.5 × 4.39 in
Protection against electrical shock	Not finger-safe
Ambient temperature [°F]	
• during storage maximum	158 °F
• during operation maximum	158 °F
Ambient temperature	
• during storage maximum	75 °C
• during operation maximum	70 °C
Country of origin	China
Number of poles for main current circuit	3
Horsepower ratings	
Yielded mechanical performance [hp] for three-phase AC motor	
• at 460/480 V rated value	40 hp
• at 575/600 V rated value	40 hp
Contactor	
Size of contactor	75A
Number of NO contacts for main contacts	3
Operating voltage for main current circuit at AC at 60 Hz maximum	600 V
Operating current at AC at 600 V rated value	300 A
Mechanical service life (switching cycles) of the main contacts typical	250000
Auxiliary contact	
Number of NC contacts for auxiliary contacts	2
Number of NO contacts for auxiliary contacts	2
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	2

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Operating current of auxiliary contacts of contactor	
• at AC at 600 V	10 A
Contact rating of auxiliary contacts of contactor according to UL	10A@600VAC (A600), 11A 1/2HP 125-250VAC, 0.6A 125VDC, 0.3A 250VDC

Coil

Control supply voltage	
• 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	Open device (no enclosure)

Mounting/wiring

Mounting position	vertical
Mounting type	Surface mounting and installation
Type of electrical connection for supply voltage line-side	Box lug
Tightening torque [lbf·in] for supply	60 ... 60 lbf·in
Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded	1/0 AWG
Type of electrical connection for load-side outgoing feeder	Box lug
Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded	1/0 AWG
Type of electrical connection of magnet coil	Quick connects, Screw-type terminals
Type of electrical connection for auxiliary and control current circuit	Quick Connects, Screw-type terminals
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, Brochures,…)
www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:42FE35AF

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/US/en/ps/US2:42FE35AF

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42FE35AF&lang=en

Certificates/approvals
https://support.industry.siemens.com/cs/US/en/ps/US2:42FE35AF/certificate

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