SIEMENS

Data sheet

US2:42DF35AJ

Contactor, 42DP,50A,3P,Open,24V Contactor, 42DP,50A,3P,Open,24V



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]	1.59 lb
Height x Width x Depth [in]	4.04 × 2.87 × 3.11 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	20 hp

● at 575/600 V rated value	25 hp
Contactor	
Size of contactor	50A
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	200 A
Mechanical service life (switching cycles) of the main contacts typical	250000
Auxiliary contact	
Number of NC contacts for auxiliary contacts	4
Number of NO contacts for auxiliary contacts	4
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	4
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 	24 V
• at AC at 60 Hz rated value	24 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	50 50 lbf·in
Type of connectable conductor cross-sections at line- side at AWG conductors single or multi-stranded	2 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	2 AWG

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=US2:42DF35AJ

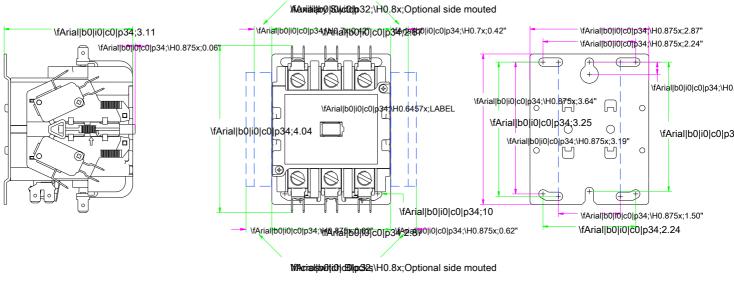
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/US/en/ps/US2:42DF35AJ

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42DF35AJ&lang=en

Certificates/approvals

https://support.industry.siemens.com/cs/US/en/ps/US2:42DF35AJ/certificate

50-60A 3 Pole



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