

Contactor, 42DP,50A,3P,Open,240 Contactor,
42DP,50A,3P,Open,240



Figure similar

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
touch protection against electrical shock	Not finger-safe
ambient temperature [°F]	
• during storage	158 °F
• during operation	158 ... 158 °F
ambient temperature	
• during storage	75 °C
• during operation	70 ... 70 °C
country of origin	China
number of poles for main current circuit	3
Horsepower ratings	

yielded mechanical performance [hp] for 3-phase AC motor	
<ul style="list-style-type: none"> • at 460/480 V rated value 	20 hp
<ul style="list-style-type: none"> • at 575/600 V rated value 	25 hp

Contactors

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
operational 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
operational current of auxiliary contacts of contactor	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • at AC at 50 Hz rated value 	190 ... 220 V
<ul style="list-style-type: none"> • at AC at 60 Hz rated value 	208 ... 240 V

Enclosure

degree of protection NEMA rating of the enclosure	Open device (no enclosure)
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Mounting/wiring

mounting position	vertical
fastening method	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 cables 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 cables for load-side outgoing feeder single or multi-stranded	2 AWG

type of electrical connection of magnet coil	Quick connects, Screw-type terminals
type of electrical connection for auxiliary and control 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=US2:42DF35AG>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

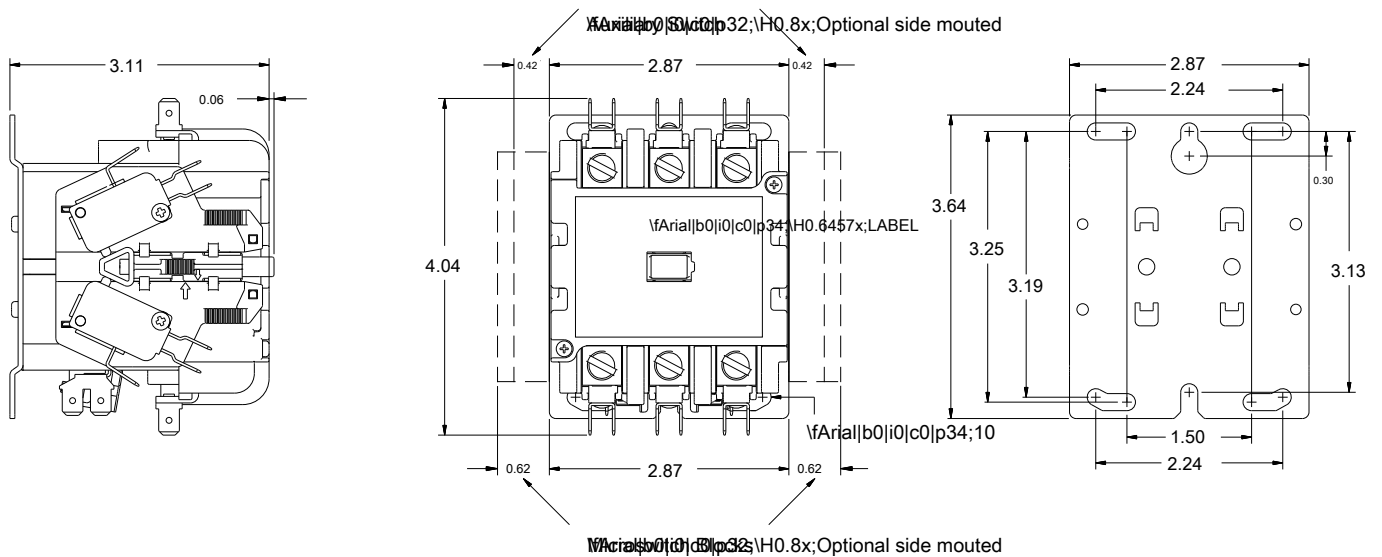
<https://support.industry.siemens.com/cs/US/en/ps/US2:42DF35AG>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42DF35AG&lang=en

Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/US2:42DF35AG/certificate>



last modified:

10/29/2020