

UL 98 fused disconnect switches up to 800 A

Bussmann series UL 98 and UL 489 fused disconnect switches “break” and “make” power circuits ON and OFF load.

The switches employ double break contacts per pole that help ensure complete isolation of the fuse when the switch is in the “OFF” position.

Agency information

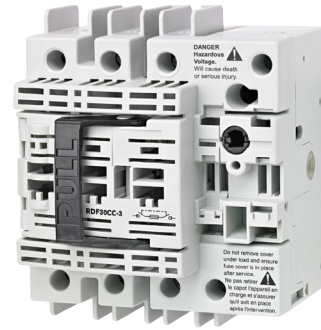
- UL 98, Guide WHTY, File E155130
- UL 489, Guide WJAZ, File E359801
- CSA 22.2 No. 4, File 257020
- Conforms with IEC 60947-3
- NFPA 79

Features

- Make and break power under load
- Double break by pole
- 30-60 A DIN-Rail or panel mount, 100-800 A panel mount only
- Up to 200 kA short-circuit current rating
- Finger-safe covers
- Compact footprints available
- Defeatable handles automatically re-latch when the panel door is closed
- Most disconnect switches are front, right side, flange or direct handle operable
- NFPA 79 compliant handle kits

Online resources available at Eaton.com/bussmannseries

- CAD drawings
- Instruction sheets
- UL information

**Available Bussmann series fuses**

Fuse class	Catalog symbol/type
CC	LP-CC time-delay, current limiting
	FNQ-R time-delay
	KTK-R fast-acting
J	LPJ time-delay, current limiting
	JKS fast-acting fuses
	DFJ high speed drive fuse
L	KRP-C time-delay, current limiting
	KTU fast-acting
	KLU time-delay
	KRP-CL (225-600 A)

UL 98 fused disconnect switches — 30 to 800 A



RDF30CC-3



RDF30J-3 / RDF60J-3-COMP



RDF60J-3



RDF200J-3



RDF600J-3

Poles		Catalog no.									
2-pole		—	—	RDF30J-2	RDF60J-2-COMP	RDF60J-2	RDF100J-2	RDF200J-2	RDF400J-2	RDF600J-2	RDF800L-2
3-pole		RDF30CC-3	RDF30J-3-COMP	RDF30J-3	RDF60J-3-COMP	RDF60J-3	RDF100J-3	RDF200J-3	RDF400J-3	RDF600J-3	RDF800L-3
3-pole + neutral		RDF30CC-3N	RDF30J-3N-COMP	—	—	—	—	—	—	—	—
4-pole		—	—	RDF30J-4	RDF60J-4-COMP	RDF60J-4	RDF100J-4	RDF200J-4	RDF400J-4	RDF600J-4	RDF800L-4
UL standard		UL 489	UL 489	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98	UL 98
Fuse class		CC	J	J	J	J	J	J	J	J	L
Max fuse/ampacity		30	30	30	60	60	100	200	400	600	800
Switch type		Compact	Compact	Standard	Compact	Standard	Standard	Standard	Standard	Standard	Standard
Handle operation		Front	Front	Front/Side	Front/Side	Front/Side	Front/Side , Flange	Front/Side , Flange	Front/Side , Flange	Front , Flange	Front , Flange
UL electrical ratings											
Max AC volts		600 Vac	600 Vac	600 Vac	600 Vac	600 Vac	600 Vac	600 Vac	600 Vac	600 Vac	600 Vac
Max DC volts*		—	—	250 Vdc	250 Vdc	250 Vdc	250 Vdc	—	250 Vdc	600 Vdc	600 Vdc
Std. AC Hp ratings	1-phase, 240	—	—	3	10	10	10	10	10	—	—
	3-phase, 240	3	3	3	7.5	7.5	15	25	50	75	75
	3-phase, 480	5.0	5.0	5.0	15	15	25	50	100	150	200
	3-phase, 600	7.5	7.5	7.5	15	15	30	60	125	200	250
Max. AC Hp ratings	3-phase, 240	7.5	7.5	7.5	15	15	30	60	125	200	200
	3-phase, 480	15	15	15	30	30	60	125	250	400	500
	3-phase, 600	20	20	20	50	50	75	150	350	500	500
	125 Vdc	—	—	3	5	5	7.5	—	20	—	—
DC Hp ratings		250 Vdc	—	5	10	10	20	—	50	—	—
Electrical characteristics											
SCCR		100 kA	100 kA	200 kA	100 kA	200 kA	200 kA	200 kA	200 kA	200 kA	200 kA
Terminal lugs/kits		Integral	Integral	Integral	Integral	Integral	Integral	•	•	•	•
Mounting torque - lb-in (N•m)		—	—	—	—	—	—	160 (18)	310 (35)	310 (35)	310 (35)
Wire type		75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu	75°C Cu/ Al	75°C Cu/ Al	75°C Cu/ Al	75°C Cu/ Al
Wire range, torque - lb-in (N•m)	Solid	14-10, 27 (3.1)	14-10, 27 (3.1)	14-10, 31 (3.5)	14-10, 31 (3.5)	12-10, 35.4 (4)	12-10, 35.4 (4)	—	—	—	—
	Stranded	14-10 27 (3.1)	14-10 27 (3.1)	14-6 , 31 (3.5)	14-6, 31 (3.5)	12-1, 35.4 (4)	12-1, 35.4 (4)	6-300 kcmil, 275 (31)	4-600 kcmil, 550 (62), Dual 1/0-250 kcmil 550 (62)	(2) 2-600 kcmil, 375 (42.4)	(2) 2-600 kcmil, 375 (42.4)
Mechanical characteristics											
Endurances/cycles		10,000	10,000	10,000	10,000	10,000	10,000	8000	6000	5000	5000
Physical characteristics											
Dimensions		See drawings on product pages									
Weight - lbs (kg)	2-pole	—	—	3.0 (1.3)	3.1 (1.4)	4.1 (1.8)	4.1 (1.8)	5.7 (2.6)	11.4 (5.2)	31.7 (14.4)	31.7 (14.4)
	3-pole	1.3 (0.6)	1.4 (0.6)	3.8 (1.7)	4.1 (1.8)	5.3 (2.4)	5.3 (2.4)	7.8 (3.5)	16.6 (7.6)	44.2 (20.1)	44.2 (20.1)
	3-pole + neutral	1.4 (0.6)	1.5 (0.7)	—	—	—	—	—	—	—	—
	4-pole	—	—	4.7 (2.1)	4.8 (2.2)	6.49 (2.9)	6.49 (2.9)	10.8 (4.9)	21.8 (9.9)	56.8 (25.8)	56.8 (25.8)
Environmental											
Operating temp. range		-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C	-20-70°C
Flammability rating		UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0	UL 94-V0
Accessories											
Lug Kit		Integral	Integral	Integral	Integral	Integral	Integral	•	•	•	•
Handles	Direct	•	•	•	•	•	•	•	•	•	•
	Front selector	•	•	—	—	—	—	—	—	—	—
	Front pistol	•	•	•	•	•	•	•	•	•	•
	Side pistol	—	—	•	•	•	•	•	•	—	—
Flange	Cable	—	—	•	•	•	•	•	—	—	—
	Shaft	—	—	•	•	•	•	•	—	—	—
NFPA through door handle		•	•	•	•	•	•	•	•	•	•
Shafts c/s - mm		5x5	5x5	10x10	10x10	10x10	10x10	10x10	10x10	12X12	12X12
Terminal shrouds		Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	•	•	•	•
Auxiliary contacts	(1) NO	•	•	•	•	•	•	•	•	•	•
	(1) NC	•	•	•	•	•	•	•	•	•	•
AC ratings	Volts	600	600	600	600	600	600	600	600	600	600
	Amps	10	10	10	10	10	10	10	10	10	10

• Available, see product page for details and catalog numbers.

— Not available.

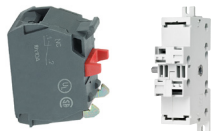
* General purpose only, not photovoltaic rated.

Disconnect switches

UL 98 fused rotary disconnect switches — 30 A

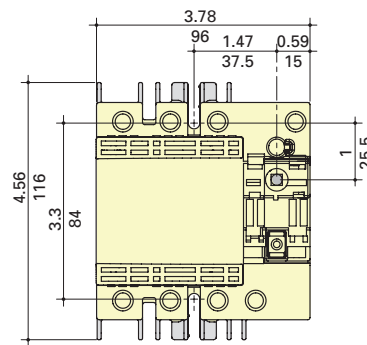
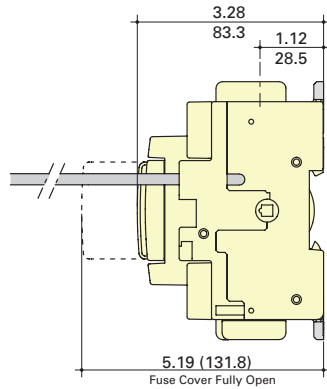
Standard 30 amp Class CC and compact 30 amp Class J

For a complete assembly, select:

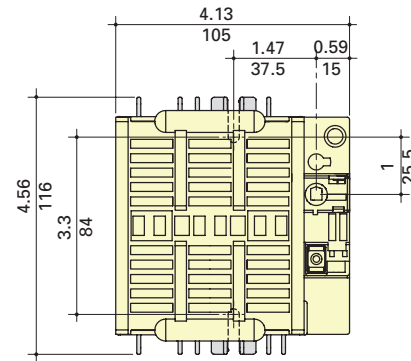
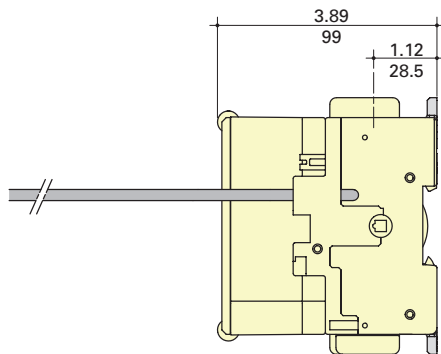
Switch		Switch								
		Amps	Fuse class	Poles	SCCR (kA)	Max Hp rating, 3-phase			Conductor	Catalog no.
	30	CC	3	100	7.5	15	20	14-10 Sol/Str 75°C Cu	RDF30CC-3	
	30		3 + Ntrl.*	100	7.5	15	20		RDF30CC-3N	
	30	J	3	100	7.5	15	20		RDF30J-3-COMP	
	30		3 + Ntrl.*	100	7.5	15	20		RDF30J-3N-COMP	
* Neutral is switched.										
		Plus								
		Direct mount handle - mounts directly to switch, no shaft required								
		For switch cat. no.	Color	Test function	Padlockable	Catalog no.				
		RDF30CC-__	Black	Y	Y	DIR-05				
RDF30J-__COMP	DIR-06									
 + <th colspan="8">OR</th>		OR								
		External front operated selector handle - shaft required								
		NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.			
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-04B			
		1, 3R, 4, 4X, 12	Red/yellow				H4X-04R			
		Shafts for selector handles								
		Length - in (mm)	Mounting depth (X) - in (mm)						Catalog no.	
		7.9 (200)	4.02~9.65 (102~245)						SH1-200	
		12.6 (320)	4.02~14.37 (102~365)						SH1-320	
		15.7 (400)	4.02~17.52 (102~445)						SH1-400	
 or  + <th colspan="8">OR</th>		OR								
		External front operated pistol handles - shaft required								
		NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.			
		1, 3R, 12	Black	N	Y	Y	H12-05B			
		1, 3R, 12	Red/yellow				H12-05R			
		1, 3R, 4, 4X, 12	Black				H4X-05B			
		1, 3R, 4, 4X, 12	Red/yellow				H4X-05R			
		1, 3R, 4, 4X, 12	Black	Y			H4X-05TB			
		1, 3R, 4, 4X, 12	Red/yellow				H4X-05TR			
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required								
		NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.			
		1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-05BHD			
		1, 3R, 4, 4X, 12	Red/yellow				H4X-05RHD			
		Shafts for pistol handles								
		Length - in (mm)	Mounting depth (X) - in (mm)						Catalog no.	
		7.9 (200)	4.02~9.65 (102~245)						SH2-200	
12.6 (320)	4.02~14.37 (102~365)						SH2-320			
15.7 (400)	4.02~17.52 (102~445)						SH2-400			
		OR								
		NFPA through the door handle kit - to be used with front pistol handle								
		Color	Test function	Padlockable	Defeatable	Catalog no.				
		Red	N	Y	N	H79-1				
 1 2		AND...								
		Auxiliary contacts								
		Contact type	No. of contacts	Continuous amp rating	Voltage (Vac)	Maximum number of auxiliary contacts per disconnect switch catalog number			Catalog no.	
		NO	1	10	600	RDF30CC-: 4 / 8 with BAC-HOLDER2 BAC05 (1) RDF30J-__COMP: 2 / 6 with BAC-HOLDER2			BAC05 (1)	
		NC							BAC06 (1)	
		Auxiliary contact holder				Accepts 4 Auxiliary contacts: BAC05 or BAC06			BAC-HOLDER2 (2)	

Dimensions — in (mm)

RDF30CC-



RDF30J-_-COMP

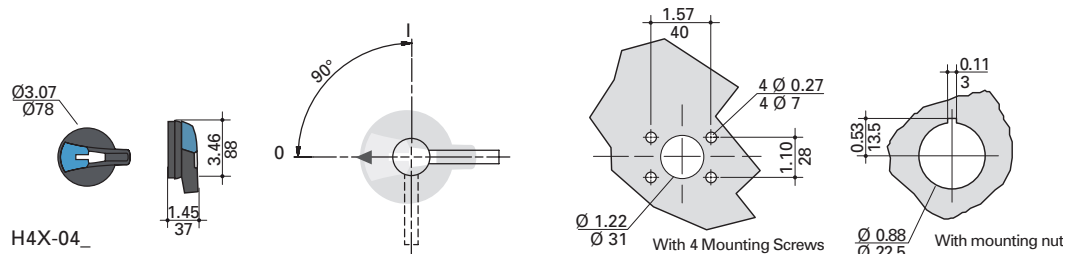


External front selector handle

Selector handle type

Direction of front operation

Door drilling layout

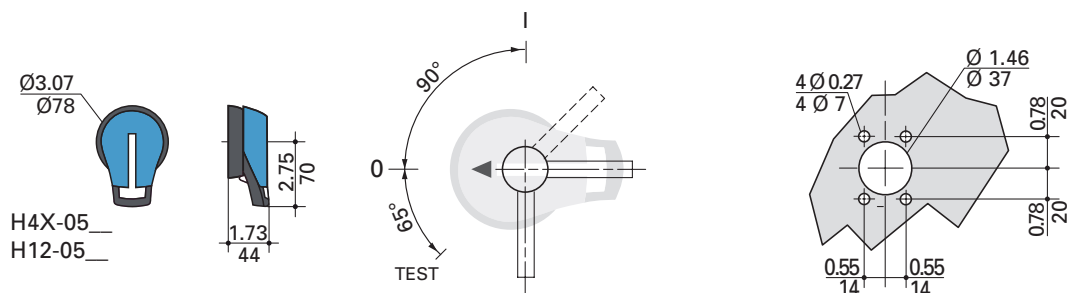


External front pistol handles

Pistol handle type

Direction of front operation

Door drilling layout

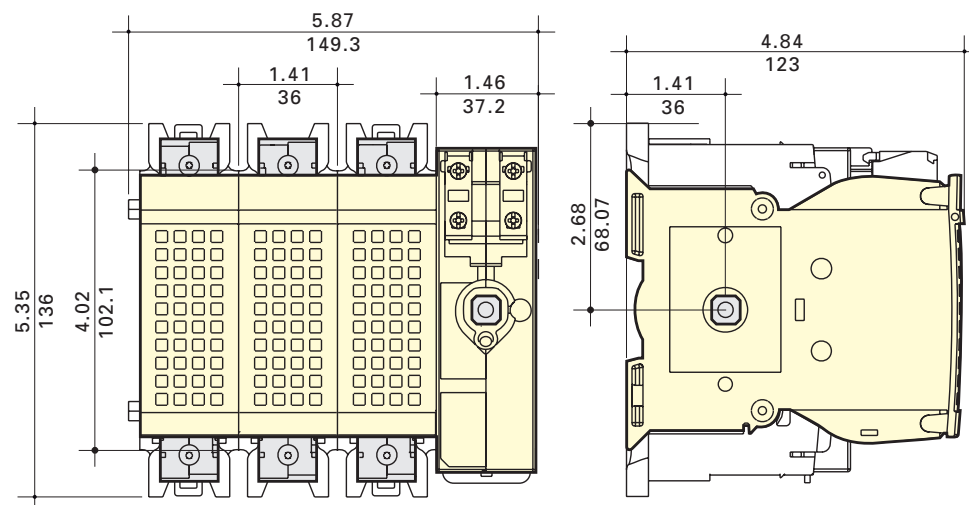


Standard 30 amp Class J

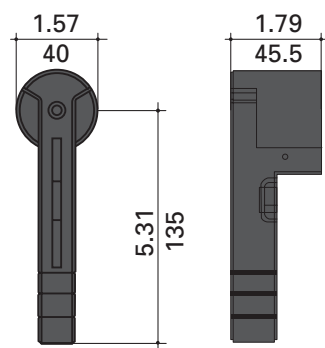
For a complete assembly, select:

Switch		Switch											
		Max horsepower rating											
		Amps	Fuse class	Poles	SCCR (kA)	1-phase		3-phase		DC*		Conductors AWG size / type	Catalog no.
						220/240	220/240	440/480	600	125	250		
		30	J	2 3 4	200	3 - -	- 7.5 7.5	- 15 15	- 20 20	3 3 3	5 5 5	14-10 Sol/14-6 Str 75°C Cu	RDF30J-2 RDF30J-3 RDF30J-4
		* DC ratings use two poles in series.											
		PLUS											
		  Or  + 	Direct mount handle - mounts directly to switch, no shaft required										
			For switch cat. no.		Color		Test function		Padlockable		Catalog no.		
			All switches		Black		Y		Y - On switch		DIR-07		
OR													
External front operated pistol handles - shaft required													
NEMA type			Color		Test function		Padlockable		Defeatable		Catalog no.		
1, 3R, 12			Black Red/yellow		N		Y		Y		H12-05B H12-05R		
1, 3R, 4, 4X, 12			Black Red/yellow		Y						H4X-05B H4X-05R H4X-05TB H4X-05TR		
Metallic hasp (heavy duty) external front operated pistol handles - shaft required													
NEMA type			Color		Test function		Padlockable		Defeatable		Catalog no.		
1, 3R, 4, 4X, 12		Black Red/yellow		N		Y		Y		H4X-05BHD H4X-05RHD			
 + 	External right side operated pistol handles - shaft required												
	NEMA type		Color		Test function		Padlockable		Defeatable		Catalog no.		
	1, 3R, 4, 4X, 12		Black Red/yellow		N		Y		N/A		H4X-05SB H4X-05SR		
	Shafts for pistol handles												
	Length — in (mm)		Mounting depth (X) — in (mm)		Catalog no.								
	7.9 (200)		5.30~9.06 (135~230)		SH5-200								
	12.6 (320)		5.30~13.78 (135~350)		SH5-320								
	15.7 (400)		5.30~16.93 (135~430)		SH5-400								
	OR												
	   	Flange handle (1) - requires shaft operated mechanism or cable operated mechanism + cable											
NEMA type		Flange style		Test function		Padlockable		Defeatable		Catalog no.			
1, 3R, 4, 12		Standard		N		Y		Y		FLH1			
1, 3R, 4, 4X, 12		Chrome plated								FLH2			
Shaft operated flange mechanism (2) - includes shaft													
For enclosure depth - in (mm)													
6~24 (152~613)		Catalog no. FLRM											
Cable operated flange mechanism and cable - must select mechanism (3) and cable (4)													
Item / length — in (mm)													
Cable mechanism		Catalog no. FLCM											
36 (900) cable		FLC36											
60 (1500) cable		FLC60											
120 (3000) cable		FLC120											
OR													
	NFPA through the door handle kit - to be used with front pistol handle												
	Color		Test function		Padlockable		Defeatable		Catalog no.				
	Red		N		Y		N		H79-2				
AND...													
Accessories		Auxiliary contacts											
		Contact type	No. of contacts	Continuous amp rating		Voltage (Vac)		Max. aux contacts per switch		Catalog no.			
		NO	1	10		600		4		BAC05			
		NC								BAC06			

Dimensions — in (mm)

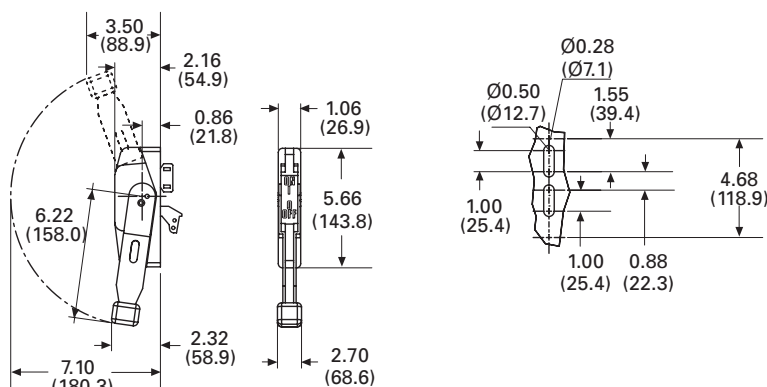


Direct mount handle



DIR-07

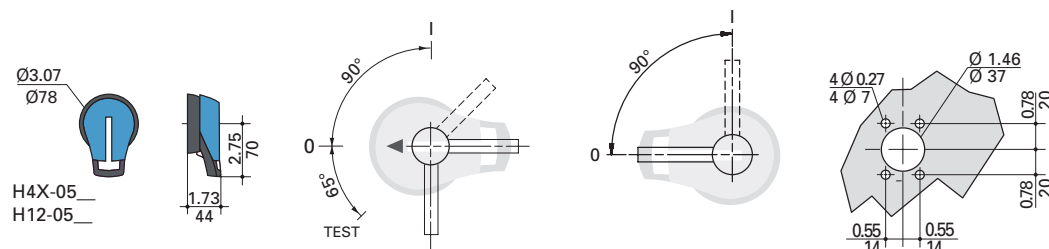
Flange handle



FLH_

External front and right side pistol handle

Handle type Direction of front operation Direction of right side operation Door drilling layout



Compact 60 amp Class J

For a complete assembly, select:

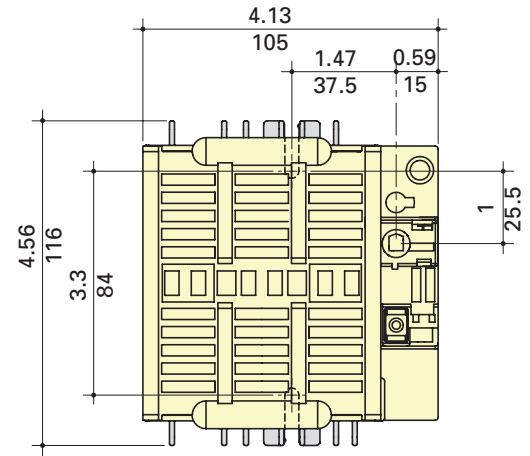
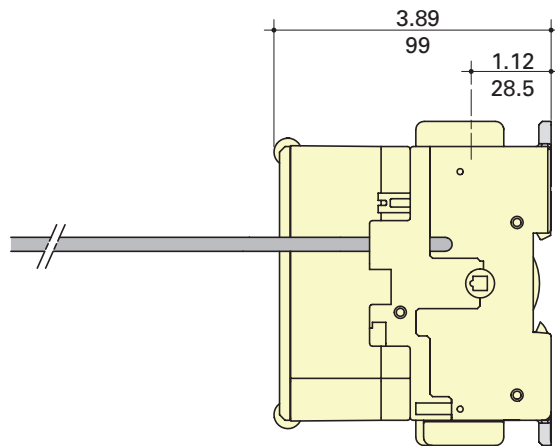
Switch		Switch											
		Max horsepower rating											
		Amps	Fuse class	Poles	SCCR (kA)	1-phase		3-phase		DC*		Conductor AWG size / type	Catalog no.
						220/240	220/240	440/480	600	125	250		
	60	J	2	100	10	-	-	-	5	10	14-10 Sol/14-6 Str 75°C Cu	RDF60J-2-COMP	
			3		-	15	30	50	5	10		RDF60J-3-COMP	
			4		-	15	30	50	5	10		RDF60J-4-COMP	
* DC ratings use two poles in series.													
PLUS													
	Direct mount handle - mounts directly to switch, no shaft required												
	For switch cat. no.		Color		Test function		Padlockable		Catalog no.				
All switches		Black		Y		Y - on switch		DIR-07					
OR													
 Or  + 	External front operated pistol handles - shaft required												
	NEMA type		Color		Test function		Padlockable		Defeatable		Catalog no.		
	1, 3R, 12		Black		N		Y		Y		H12-05B		
	1, 3R, 12		Red/yellow								H12-05R		
	1, 3R, 4, 4X, 12		Black								H4X-05B		
	1, 3R, 4, 4X, 12		Red/yellow		Y		Y		N/A		H4X-05R		
	1, 3R, 4, 4X, 12		Black								H4X-05TB		
	1, 3R, 4, 4X, 12		Red/yellow		Y		Y		N/A		H4X-05TR		
	Metallic hasp (heavy duty) external front operated pistol handles - shaft required												
	NEMA type		Color		Test function		Padlockable		Defeatable		Catalog no.		
	1, 3R, 4, 4X, 12		Black		N		Y		Y		H4X-05BHD		
	1, 3R, 4, 4X, 12		Red/yellow								H4X-05RHD		
	External right side operated pistol handles - shaft required												
NEMA type		Color		Test function		Padlockable		Defeatable		Catalog no.			
1, 3R, 4, 4X, 12		Black		N		Y		N/A		H4X-05SB			
1, 3R, 4, 4X, 12		Red/yellow								H4X-05SR			
Shafts for pistol handles													
Length — in (mm)		Mounting depth (X) - in (mm)		Catalog no.									
7.9 (200)		5.30~9.06 (135~230)		SH5-200									
12.6 (320)		5.30~13.78 (135~350)		SH5-320									
15.7 (400)		5.30~16.93 (135~430)		SH5-400									
OR													
   	Flange handle (1) - requires shaft operated mechanism or cable operated mechanism + cable												
	NEMA type		Flange style		Test function		Padlockable		Defeatable		Catalog no.		
	1, 3R, 4, 12		Standard		N		Y		Y		FLH1		
	1, 3R, 4, 4X, 12		Chrome plated								FLH2		
	Shaft operated flange mechanism (2) - includes shaft												
	For enclosure depth - in (mm)										Catalog no.		
	6~24 (152~613)										FLRM		
	Cable operated flange mechanism and cable - must select mechanism (3) and cable (4)												
	Item / length — in (mm)										Catalog no.		
	Cable mechanism										FLCM		
	36 (900) cable										FLC36		
	60 (1500) cable										FLC60		
	120 (3000) cable										FLC120		
OR													
	NFPA through the door handle kit - to be used with selector handle or front pistol handle												
	Color				Test function		Padlockable		Defeatable		Catalog no.		
	Red				N		Y		N		H79-2		
AND...													
Auxiliary contacts													
Contact type		No. of contacts		Continuous amp rating		Voltage (Vac)		Max. aux contacts per switch		Catalog no.			
NO		1		10		600		4		BAC05			
NC										BAC06			
													

Select for standard applications

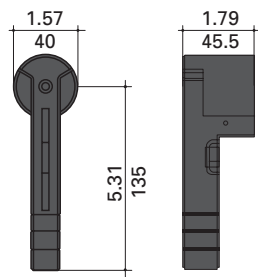
Handle

Aux. contacts

Dimensions — in (mm)

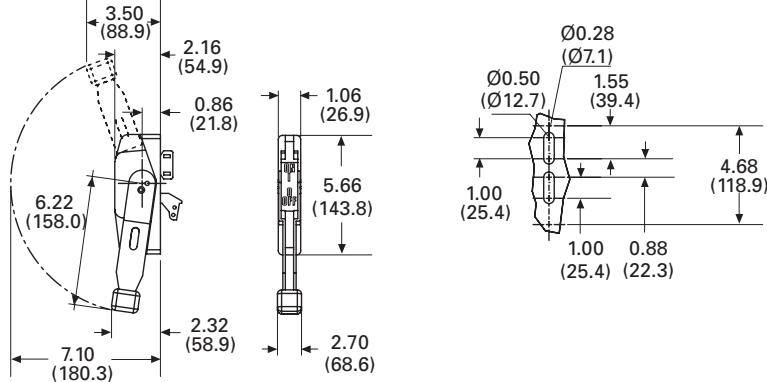


Direct mount handle



DIR-07

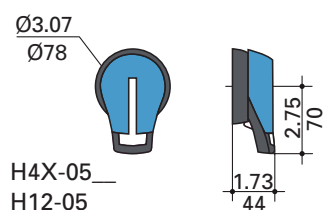
Flange handle



FLH_

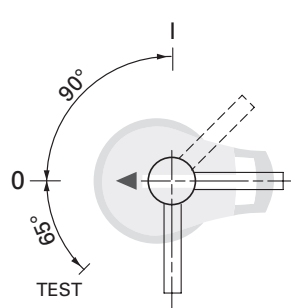
External front and right side pistol handle

Handle type

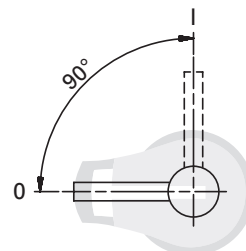


H4X-05
H12-05

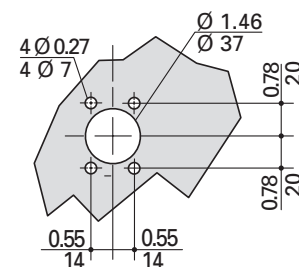
Direction of front operation



Direction of right side operation



Door drilling layout

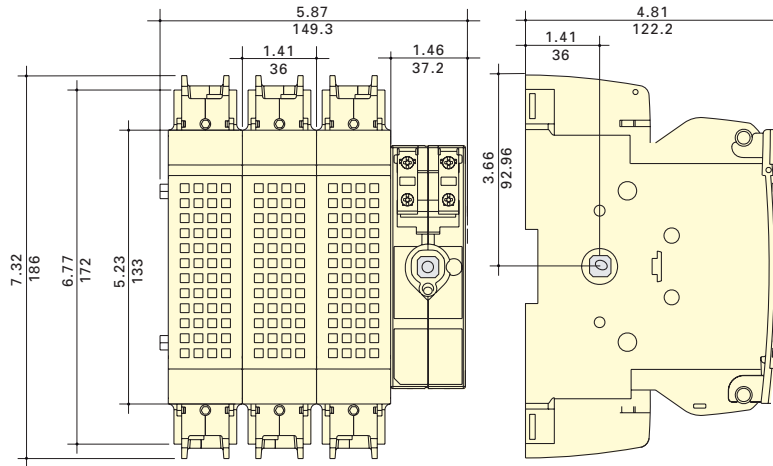


Standard 60 amp Class J

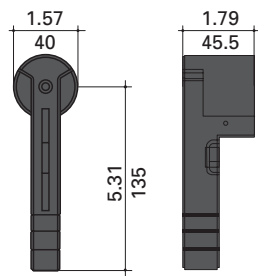
For a complete assembly, select:

Switch		Switch											
		Max horsepower rating											
		Amps	Fuse class	Poles	SCCR (kA)	1-phase 220/240	3-phase 220/240	3-phase 440/480	600	DC*	Conductor AWG size/type	Catalog no.	
		60	J	2	200	10	-	-	-	5	10	12-10 Sol/12-1 Str 75°C Cu	RDF60J-2
				3	200	-	15	30	50	5	10		RDF60J-3
				4	200	-	15	30	50	5	10		RDF60J-4
		* DC ratings use two poles in series.											
		PLUS											
		Handle	  Or  + 	Direct mount handle - mounts directly to switch, no shaft required									
				For switch cat. no. Color Test function Padlockable Catalog no.									
All switches Black Y Y DIR-07													
OR													
External front operated pistol handles - shaft required													
NEMA type	Color			Test function	Padlockable	Defeatable	Catalog no.						
1, 3R, 12	Black			N	Y	Y	H12-03B						
1, 3R, 12	Red/yellow						H12-03R						
1, 3R, 4, 4X, 12	Black						H4X-06B						
1, 3R, 4, 4X, 12	Red/yellow						H4X-06R						
1, 3R, 4, 4X, 12	Black	Y			H4X-06TB								
1, 3R, 4, 4X, 12	Red/yellow				H4X-06TR								
Metallic hasp (heavy duty) external front operated pistol handles - shaft required													
NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.								
1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06BHD								
1, 3R, 4, 4X, 12	Red/yellow				H4X-06RHD								
External right side operated pistol handles - shaft required													
NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.								
1, 3R, 4, 4X, 12	Black	N	Y	N/A	H4X-06SB								
1, 3R, 4, 4X, 12	Red/yellow				H4X-06SR								
Shafts for pistol handles													
Length — in (mm)	Mounting depth (X) — in (mm)						Catalog no.						
7.9 (200)	5.30~9.06 (135~230)						SH5-200						
12.6 (320)	5.30~13.78 (135~350)						SH5-320						
15.7 (400)	5.30~16.93 (135~430)						SH5-400						
OR													
   	Flange handle (1) - requires shaft operated mechanism or cable operated mechanism + cable												
	NEMA type	Flange style	Test Function	Padlockable	Defeatable	Catalog no.							
	1, 3R, 4, 12	Standard	N	Y	Y	FLH1							
	1, 3R, 4, 4X, 12	Chrome plated				FLH2							
	Shaft operated flange mechanism (2) - includes shaft												
	For enclosure depth — in (mm)												
	6~24 (152~613)												
	Catalog no.												
	FLRM												
	Cable operated flange mechanism and cable - must select mechanism (3) and cable (4)												
Item / length — in (mm)													
Catalog no.													
FLCM													
Cable mechanism													
36 (900) cable													
FLC36													
60 (1500) cable													
FLC60													
120 (3000) cable													
FLC120													
OR													
	NFFA through the door handle kit - to be used with front pistol handle												
	Color	Test function	Padlockable	Defeatable	Catalog no.								
	Red	N	Y	N	H79-2								
	AND...												
		Auxiliary contacts											
		Contact type	No. of contacts	Continuous amp rating	Voltage (Vac)	Max number of aux contacts per switch	Catalog no.						
		NO	1	10	600	4	BAC05						
		NC					BAC06						

Dimensions — in (mm)

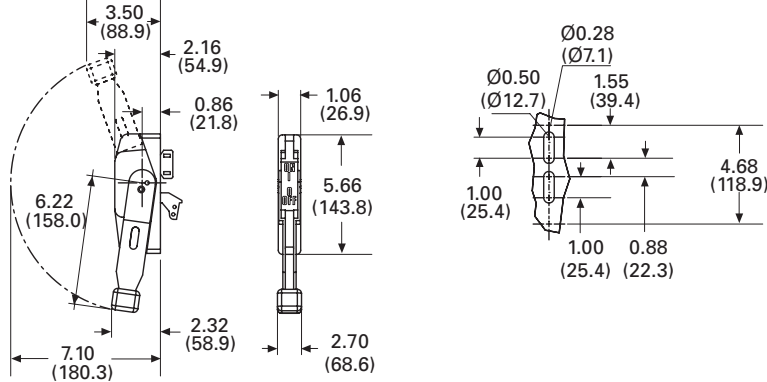


Direct mount handle



DIR-07

Flange handle



FLH_

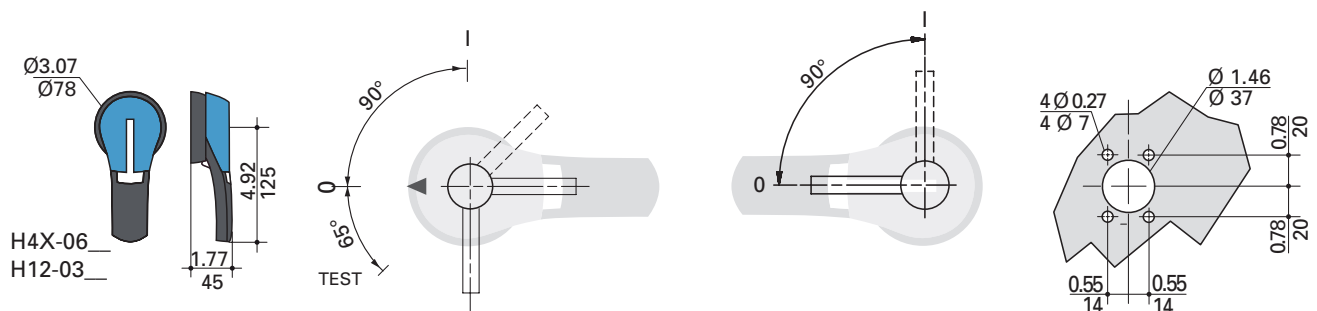
External front and right side pistol handle

Handle type

Direction of front operation

Direction of right side operation

Door drilling layout

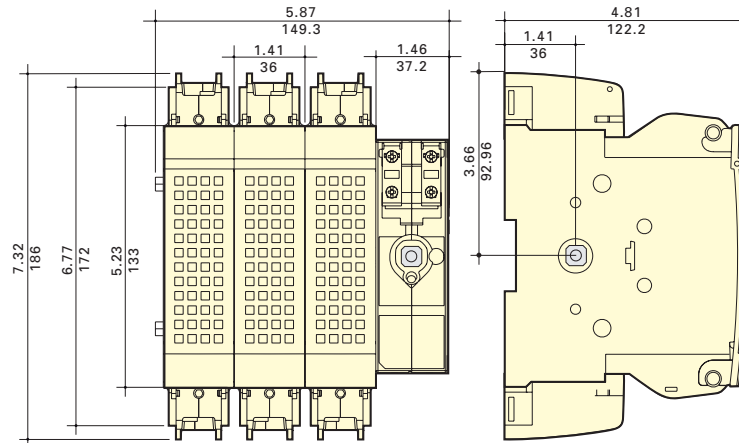


Standard 100 amp Class J

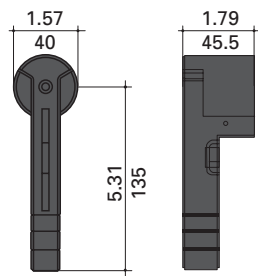
For a complete assembly, select:

Switch		Switch											
		Amps	Fuse class	Poles	SCCR (kA)	Max horsepower rating					Conductor AWG size/type	Catalog no.	
						1-phase	3-phase		DC*				
						220/240	220/240	440/480	600	125			250
	100	J	2	200	10	-	-	-	7.5	20	12-10 Sol/12-1 Str 75°C Cu	RDF100J-2	
		3	-		30	60	75	7.5	20	RDF100J-3			
		4	-		30	60	75	7.5	20	RDF100J-4			
* DC ratings use two poles in series.													
PLUS													
Handles		Direct mount handle - mounts directly to switch, no shaft required											
		For switch cat. no.	Color		Test function		Padlockable		Catalog no.				
		All switches	Black		Y		Y		DIR-07				
	OR												
	 Or  + 	External front operated pistol handles - shaft required											
		NEMA type	Color		Test function		Padlockable		Defeatable		Catalog no.		
		1, 3R, 12	Black		N		Y		Y		H12-03B		
			Red/yellow								H12-03R		
		1, 3R, 4, 4X, 12	Black		Y		Y		H4X-06B				
			Red/yellow						H4X-06R				
			Black						H4X-06TB				
			Red/yellow						H4X-06TR				
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required											
		NEMA type	Color		Test function		Padlockable		Defeatable		Catalog no.		
	1, 3R, 4, 4X, 12	Black		N		Y		Y		H4X-06BHD			
	1, 3R, 4, 4X, 12	Red/yellow								H4X-06RHD			
	External right side operated pistol handles - shaft required												
	NEMA type	Color		Test function		Padlockable		Defeatable		Catalog no.			
	1, 3R, 4, 4X, 12	Black		N		Y		N/A		H4X-06SB			
Red/yellow		H4X-06SR											
Shafts for pistol handles													
Length — in (mm)	Mounting depth (X) - in (mm)		Catalog no.										
7.9 (200)	5.30~9.06 (135~230)		SH5-200										
12.6 (320)	5.30~13.78 (135~350)		SH5-320										
15.7 (400)	5.30~16.93 (135~430)		SH5-400										
OR													
   	Flange handle (1) - requires shaft operated mechanism or cable operated mechanism + cable												
	NEMA type	Flange style		Test function		Padlockable		Defeatable		Catalog no.			
	1, 3R, 4, 12	Standard		N		Y		Y		FLH1			
	1, 3R, 4, 4X, 12	Chrome plated								FLH2			
	Shaft operated flange mechanism (2) - includes shaft												
	For enclosure depth — in (mm)										Catalog no.		
	6~24 (152~613)										FLRM		
	Cable operated flange mechanism and cable - must select mechanism (3) and cable (4)												
	Item / length — in (mm)										Catalog no.		
	Cable mechanism										FLCM		
36 (900) cable										FLC36			
60 (1500) cable										FLC60			
120 (3000) cable										FLC120			
OR													
	NFPA through the door handle kit - to be used with front pistol handle												
	Color			Test function		Padlockable		Defeatable		Catalog no.			
	Red			N		Y		N		H79-2			
AND...													
Accessories		Auxiliary contacts											
		Contact type	No. of contacts	Continuous amp rating	Voltage (Vac)	Max number of aux contacts per switch		Catalog no.					
		NO	1	10	600	4		BAC05					
		NC						BAC06					

Dimensions — in (mm)

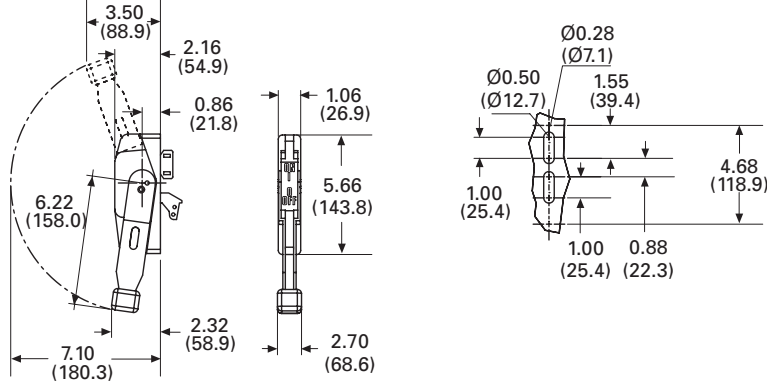


Direct mount handle



DIR-07

Flange handle



FLH_

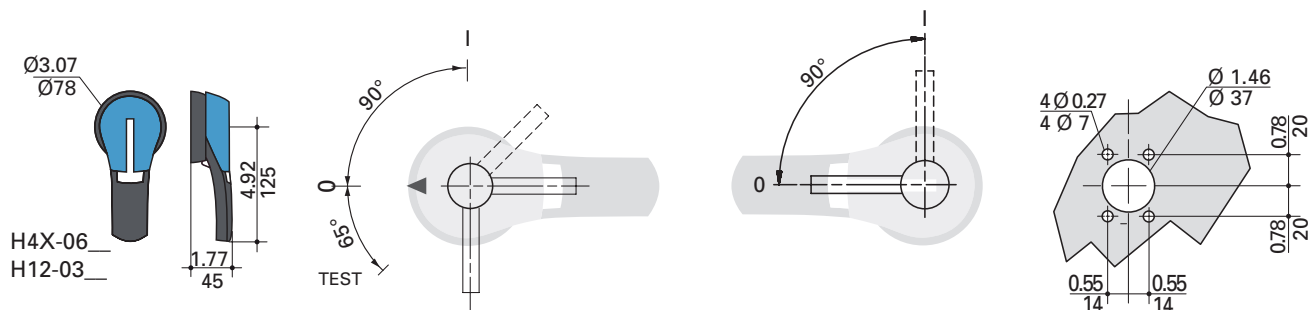
External front and right side pistol handle

Handle type

Direction of front operation

Direction of right side operation

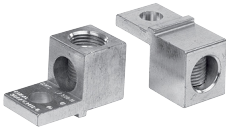
Door drilling layout



Standard 200 and 400 amp Class J

For a complete assembly, select:

Switch + lugs


+


Switch		Max horsepower rating								Catalog no.
Amps	Fuse class	Poles	SCCR (kA)	1-phase		3-phase		DC*		
				220/240	220/240	440/480	600	125	250	
200	J	2	200	10	-	-	-	-	-	RDF200J-2
		3		-	60	125	150	-	-	RDF200J-3
		4		-	60	125	150	-	-	RDF200J-4
400		2		10	-	-	-	20	50	RDF400J-2
3		-		125	250	350	20	50	RDF400J-3	
4		-		125	250	350	20	50	RDF400J-4	

* DC ratings use two poles in series.

Terminal lug kit					Catalog no.
Switch amps	Poles	Lugs per kit	AWG wire / type		
200	2	2	6-300 kcmil 75°C Cu/Al	LUG1-2	
	3	3		LUG1-3	
	4	4		LUG1-4	
400	2	2	4-600 kcmil or dual 1/0-250 kcmil 75°C Cu/Al	LUG2-2	
	3	3		LUG2-3	
	4	4		LUG2-4	

PLUS

Direct mount handle - mounts directly to switch, no shaft required					Catalog no.
For switch cat. no.	Color	Test function	Padlockable		
All switches	Black	Y	Y	DIR-07	

Handles


Or

+


External front operated pistol handles - shaft required					
NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.
1, 3R, 12	Black	N	Y	Y	H12-03B
	Red/yellow				H12-03R
1, 3R, 4, 4X, 12	Black				H4X-06B
	Red/yellow				H4X-06R
	Black	H4X-06TB			
	Red/yellow	H4X-06TR			

Metallic hasp (heavy duty) external front operated pistol handles - shaft required					
NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.
1, 3R, 4, 4X, 12	Black	N	Y	Y	H4X-06BHD
	Red/yellow				H4X-06RHD

External right side operated pistol handles - shaft required					
NEMA type	Color	Test function	Padlockable	Defeatable	Catalog no.
1, 3R, 4, 4X, 12	Black	N	Y	N/A	H4X-06SB
	Red/yellow				H4X-06SR

Shafts for pistol handles		
Length — in (mm)	Mounting depth (X) — in (mm)	Catalog no.
7.9 (200)	200 A: 5.70-9.06 (145-230)	SH5-200
	400 A: 7.87-10.24 (200-260)	
12.6 (320)	200 A: 5.70-13.78 (145-350)	SH5-320
	400 A: 7.87-16.93 (200-380)	
15.7 (400)	200 A: 5.70-16.93 (145-430)	SH5-400
	400 A: 7.87-18.10 (200-460)	

1



2



3



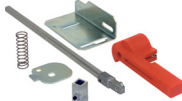
4



Flange handle (1) 200 A only - requires shaft operated mechanism or cable operated mechanism + cable					
NEMA type	Flange style	Test function	Padlockable	Defeatable	Catalog no.
1, 3R, 4, 12	Standard	N	Y	Y	FLH1
1, 3R, 4, 4X, 12	Chrome plated				FLH2

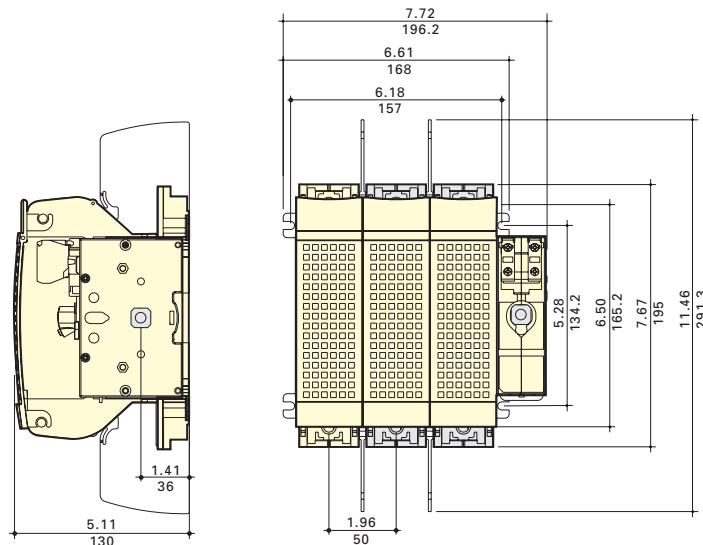
Shaft operated flange mechanism (2) 200 A only - includes shaft		Catalog no.
For enclosure depth — in (mm)		
6~24 (152~613)		FLRM

Cable operated flange mechanism and cable 200 A only - must select Mechanism (3) and Cable (4)		Catalog no.
Item — in (mm)		
Cable mechanism		FLCM
36 (900) cable		FLC36
60 (1500) cable		FLC60
120 (3000) cable		FLC120

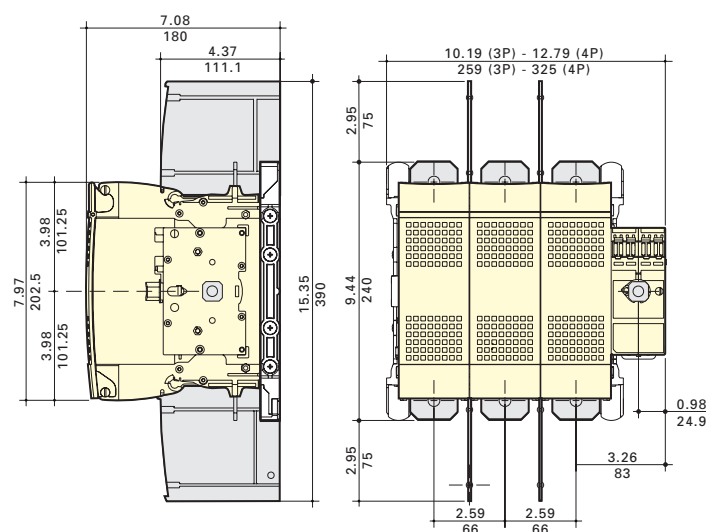
Accessories		OR						
		NFPA through the door handle kit - to be used with front pistol handle						
		Use with switch	Color	Test function	Padlockable	Defeatable	Catalog no.	
		RDF200J-__	Red	N	Y	N	H79-2	
	RDF400J-__	H79-3						
	AND...							
	Aux. contacts		Auxiliary contacts					
			Contact type	No. of contacts	Continuous amp rating	Voltage (Vac)	Max number of aux contacts per switch catalog number	Catalog no.
			NO	1	10	600	RDF200J-__: 4	BAC05
			NC				RDF400J-__: 8	BAC06
AND...								
Shrouds		Terminal shrouds - includes terminal shroud for lineside or loadside						
		Switch amps	Poles	Catalog no.				
		200	2	TSH8-2TB				
			3	TSH8-3TB				
			4	TSH8-4TB				
		400	2	TSH9-2TB				
			3	TSH9-3TB				
			4	TSH9-4TB				

Dimensions — in (mm)

RDF200J-3

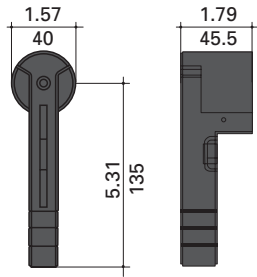


RDF400J-3

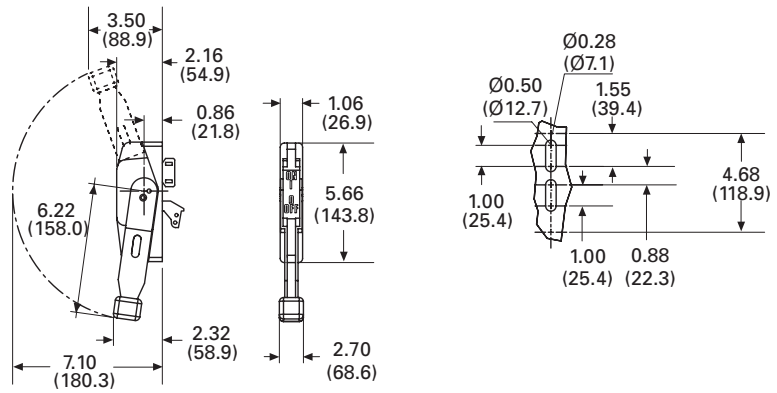


Dimensions — in (mm)

DIR-07 direct mount handle



FLH_ flange handle



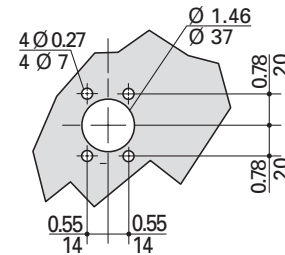
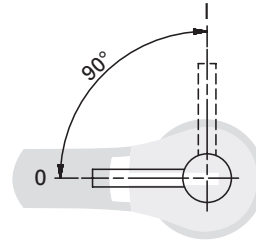
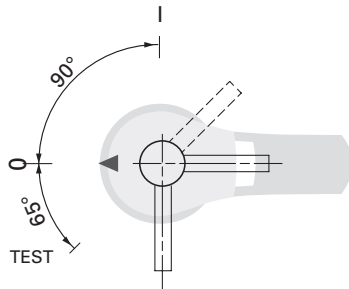
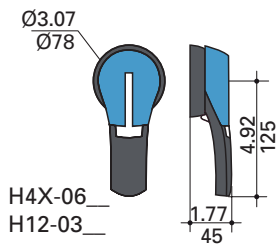
External front and right side pistol handle

Handle type

Direction of front operation

Direction of right side operation

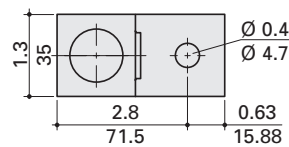
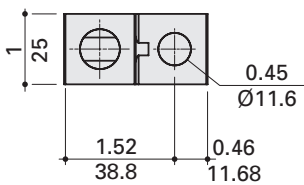
Door drilling layout



Terminal lugs

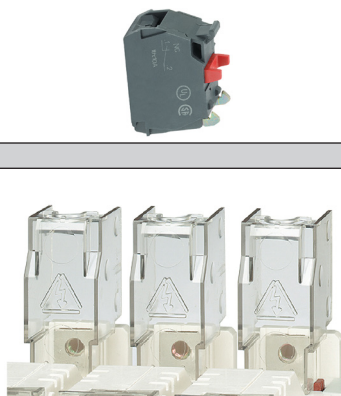
200 A (LUG1-__)

400 A (LUG2-__)



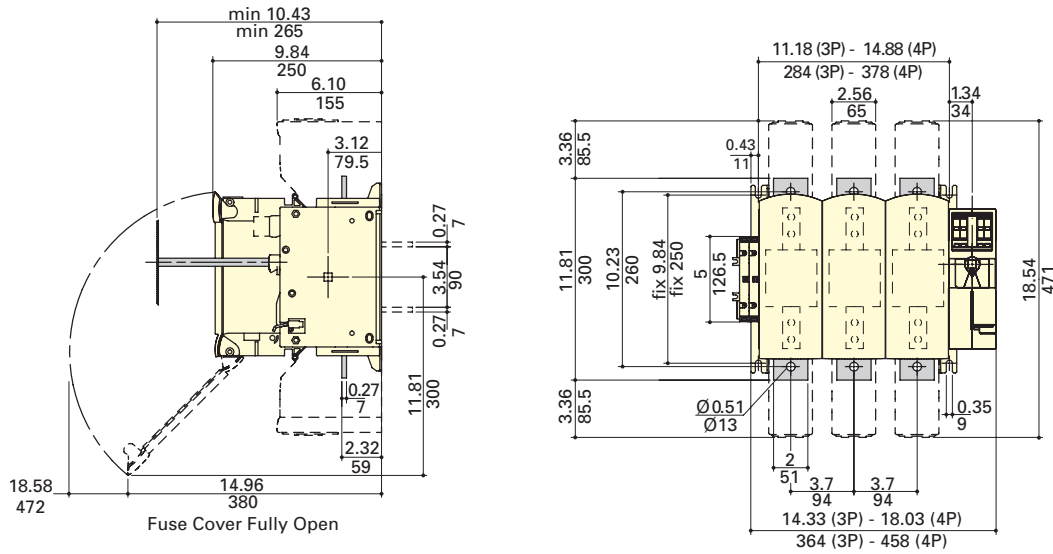
Standard 600 amp Class J and 800 amp Class L

For a complete assembly, select:

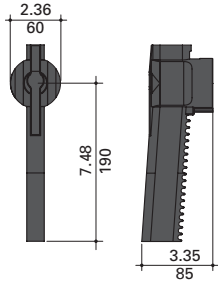
		Switch								
Switch + lugs		Amps	Fuse class	Poles	SCCR (kA)	Max horsepower rating, 3-phase			Catalog no.	
		600	J	2	200	-	-	-	RDF600J-2	
				3		200	400	500	RDF600J-3	
				4		200	400	500	RDF600J-4	
		800	L	2		-	-	-	RDF800L-2	
				3		200	500	500	RDF800L-3	
				4		200	500	500	RDF800L-4	
		Terminal lug kit								
		Switch amps		Poles	Lugs per kit	Conductor AWG size / type			Catalog no.	
		600-800		2	2	(2) 2-600 kcmil 75°C Cu/ Al			LUG5-2	
				3	3				LUG5-3	
				4	4				LUG5-4	
PLUS										
Select for standard application		Direct mount handle - mounts directly to switch, no shaft required								
		For switch cat. no.		Color	Test function	Padlockable	Defeatable	Catalog no.		
		All switches		Black	Y	Y	N	DIR-08		
		OR								
		External front operated pistol handles - shaft required								
		NEMA type		Color	Test function	Padlockable	Defeatable	Catalog no.		
		1, 3R, 4, 4X, 12		Black	N	Y	Y	H4X-07B		
				Red/yellow				H4X-07R		
		Metallic hasp (heavy duty) external front operated pistol handles - shaft required								
		NEMA type		Color	Test function	Padlockable	Defeatable	Catalog no.		
		1, 3R, 4, 4X, 12		Black	N	Y	Y	H4X-07BHD		
				Red/yellow				H4X-07RHD		
		Shafts for pistol handles								
		Length — in (mm)		Mounting depth (X) — in (mm)				Catalog no.		
		7.9 (200)		10.63~11.97 (270~304)				SH7-200		
		12.6 (320)		10.63~16.69 (270~424)				SH7-320		
		15.7 (400)		10.63~19.84 (270~504)				SH7-400		
		OR								
		NFPA through the door handle kit - to be used with front pistol handle								
		For switch cat. no.		Color	Test function	Padlockable	Defeatable	Catalog no.		
		All switches		Red	N	Y	N	H79-4		
		AND...								
Accessories		Auxiliary contacts								
		Contact type	No. of contacts	Continuous amp rating	Voltage (Vac)	Max number of aux contacts per switch	Catalog no.			
		NO	1	10	600	8	BAC05			
		NC					BAC06			
		AND...								
		Terminal shrouds - includes terminal shroud for lineside or loadside								
		Switch amps	Poles				Catalog no.			
		600-800	2				TSH10-2TB			
			3				TSH10-3TB			
			4				TSH10-4TB			

Dimensions — in (mm)

RDF600J-3 and RDF800L-3



Dir-08 direct mount handle

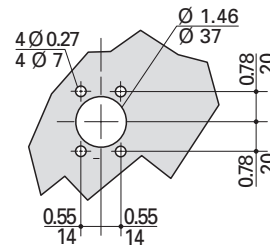
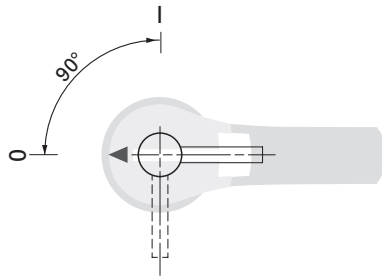
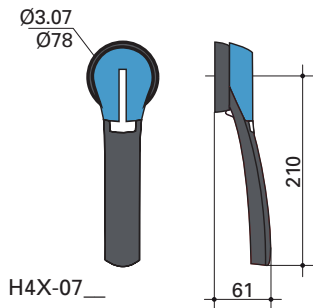


External front pistol handle

Handle type

Direction of front operation

Door drilling layout



Terminal lugs

600 to 800 A (LUG5-__)

