Installation Instructions 1694-IN002G-EN-E January 2023



Bulletin 1694 Electronic circuit protection for 24V DC

WARNING: Electrostatically sensitive sub-assemblies can be destroyed by voltages far below the human perception threshold. These voltages already occur if you touch a component or electrical terminals of a sub-assembly without being electrostatically discharged. The damage of a sub-assembly caused by an over-voltage is often not immediately recognized, but will be noticed only after a longer operating time.



Mounting or actuation of the 1694 connector arm must only be effected at dead-voltage. For start-up the 1694 connector arm must be closed.

Device to be installed, operated and maintained by trained personnel only.

To secure device properly against unintended access, product shall be mounted in locked cabinet with remote tamper notification mechanism. Periodical security audit is recommended.

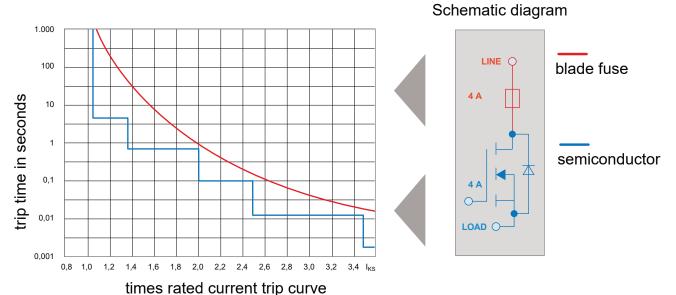
The device can't be serviced or repaired

Do not open device's enclosure.

Bulletin 1694 Electronic circuit protection for 24V DC

Bulletin 1694 Electronic Circuit Protection is a modular solution with a max. system capacity of 40A. The protection modules come in a fix current rating in a range from 1A...10A. Designed for 24V DC circuits, the 1694 provides comprehensive protection against short circuit and overcurrent conditions while allowing for inrush current.

Basic trip curve and schematic diagram 1694-PM



Features

- Combination of supply modules, circuit protection and power distribution
- Selective load protection by means of electronic trip curve
- No accessories required for connecting the components
- Width per channel only 12.5 mm (1-channel) or 6.25mm (2-channel)
- Integral fail-safe element, adjusted to current rating
- Switching capacitive loads up to 20,000 µF (at IN > 6A)
- Manual ON/OFF/reset momentary switch
- Clear status indication by means of LED and auxiliary contact (1694-PF supply module)
- Connection via push-in terminals
- 1694-PMx available in Class 2 version with nominal currents: 1A, 2A, 3A, 4A

Notes

- Connection to a higher or not reliably disconnected voltage can cause hazardous conditions or damages
- Only the intended circuit protectors must be used
- The technical data of the circuit protectors used have to be observed
- The entire power distribution system must only be installed by qualified personnel
- Only after expert installation must the device be supplied with power
- After tripping of the circuit protector and before reset, the cause of the failure (short circuit or overload) must be remedied
- The national standards have to be observed for installation and selection of feed and return cables.



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Technical data (T_{amb} = +23 °C, U_{B} = DC 24 V) 1694-PM Circuit Protection Module

Operating voltage U _B	DC 24 V (no battery-buffere	(min. 18 V, max. 3 ed applications)	30 V)			
Closed current I ₀ 1694-PM1 (1-channel) 1694-PM2 (2-channel)	in ON condition: typically 5 mA typically 8 mA					
Reverse polarity protection	Yes, without load					
Rated current IN 1694-PM1 (1-channel) 1694-PM2 (2-channel)	current ratings: 1 A, 2 A, 3 A, 4 A, 1A/1A, 2A/2A, 3A	6 A, 8 A, 10 A /3A, 4A/4A, 6A/6A				
Visual status indication by means of LED:	Green:	Load circuit conne	ected			
	flashing orange orange green:	Load current warr	ning limit reached			
	orange:	orange: Overload or short circuit until disconnection				
	red:	ed: After disconnection (trip condition) due to overload or short circuit after undervoltage release of operating voltage in ON condition with autoreset				
	OFF: • Non Illuminated		off by means of ON/OFF n or no operating voltage			
Load circuit Load current warning limit (I _{WLimit}) 1694-PM	typically 0.9 x I _N					
Hysteresis	typically 5%					
Status of auxiliary contact is not affect	cted by 90% load curr	ent warning				
Overload disconnection ($I_{\rm OL}$) with trip times ($t_{\rm OL}$)	$ \begin{array}{l} \text{typically I}_{\text{OL}} : \text{I}_{\text{N}} \times 1, \\ \text{typically I}_{\text{OL}} : \text{I}_{\text{N}} \times 1, \\ \text{typically I}_{\text{OL}} : \text{I}_{\text{N}} \times 2, \\ \text{typically I}_{\text{OL}} : \text{I}_{\text{N}} \times 2. \end{array} $.35 .00	t_{oL} : 3s t_{oL} : 0.5s t_{oL} : 0.1s t_{oL} : 0.012s			
short circuit trip time $(t_{_{\!KS}})$	typically at (I _{KS}) see time/current o	haracteristics	t _{KS} : 0.002s ¹			
¹ depending on power source						
Influence of ambient temperature on overload trip and load current warning limit	see temperature f	actor table				
Leakage current in load circuit in OFF condition	typically <1 mA					
Voltage drop in load circuit at IN for 1694-PM between LINE+ and LOAD+	• I _N : 1A (CL2) • I _N : 2A (CL2) • I _N : 3A • I _N : 3A- CL2 • I _N : 4A • I _N : 4A- CL2 • I _N : 6A • I _N : 8A • I _N : 10A	typically 180 mV typically 110 mV typically 120 mV typically 130 mV typically 115 mV typically 180 mV typically 170 mV typically 160 mV typically 180 mV				

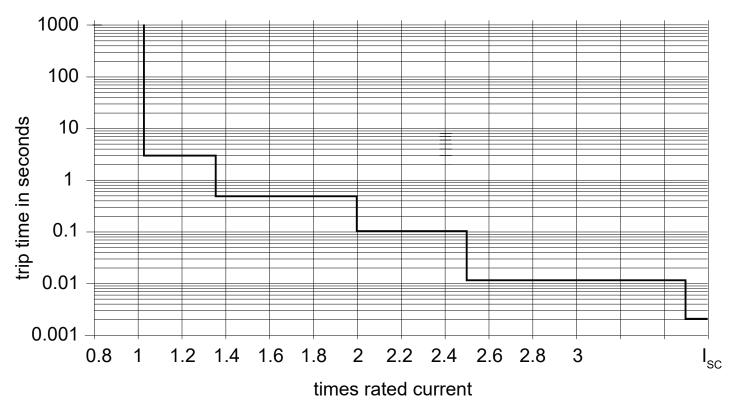
	'		
Fail-safe element integrated fuse	Adjusted to the corresponding rated current IN • I_N : 1A (CL2) fail-safe I_N : 1A • I_N : 2A (CL2) fail-safe I_N : 2A • I_N : 3A fail-safe I_N : 3.15A • I_N : 3A-CL2) fail-safe I_N : 4A • I_N : 4A fail-safe I_N : 4A • I_N : 4B-CL2 fail-safe I_N : 4A • I_N : 6A fail-safe I_N : 6.3A • I_N : 8A fail-safe I_N : 8A • I_N : 10A fail-safe I_N : 10A		
Low voltage monitoring of operating voltage	OFF at typically $U_B < 16.0 \text{ V}$ ON at typically $U_B > 19.0 \text{ V}$ Hysteresis typically 2 V with automatic OFF and ON operation		
ON delay - with power ON	channel 1: typically 100ms (1694-PM) channel 2: typically 200ms (1694-PM)		
- when switching on via ON/OFF momentary switch	channel 1: typically 5 ms channel 2: typically 100 ms		
- after an undervoltage	channel 1: typically 5 ms channel 2: typically 5 ms		
Disconnection of the load circuit	 manually on the device with the ON/OFF momentary switch after an overload / short circuit disconnection with storage (no automatic reset) temporarily at undervoltage at no operating voltage 		
Switching on the load circuit	Unit can only be switched on when operating voltage was applied		
- Momentary switch ON/OFF - Apply operating voltage	The device re-starts with the last stored condition.		
Reset function	A blocked load output (blocked by overload / short circuit) can be reset or switched on manually by the momentary ON/OFF switch (LED button).		
Capacitive loads (Depending on: cable attenuation, power supply used, load current and current rating)	at I_N : 1A DC24V up to $5{,}000\mu F$ at I_N : 2A, 3A DC24V up to $10{,}000\mu F$ at I_N : 4A DC24V up to $12{,}000\mu F$ at I_N : > 6A DC24V up to $20{,}000\mu F$		
Free-wheeling circuit	external free-wheeling circuit at inductive load (rating according to load) is recommended.		
Parallel connection of several load outputs	not permitted		

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General Data						
Ambient temperature (T _{amb})	-25°+60 °C (with	out condensation, o	cf. EN 60204-1)			
Storage temperature	-30°+70 °C	-30°+70 °C				
Mounting temperature	+5° +60°C					
Humidity:	96 hrs / 95% RH R	RH/40 °C to IEC 600	068-2-78-Cab climate class 3K3 to EN 60721			
Corrosion Only 1694-DM and 1694-PF accessories	96hrs. in 5% salt n	96hrs. in 5% salt mist to IEC 60068-2-11 test Ka				
Vibration resistance	3 g, test to IEC 600	068-2-6 test Fc				
Degree of protection Operating area 1694-PM:	IEC 60529, DIN VI IP30	DE 0470				
EMC requirements (EMC Directive, CE Logo)	Emitted interference Noise immunity:		000-6-3 000-6-2			
Insulation co-ordination (IEC 60934)	0.5 kV / pollution d	legree 2				
Dielectric strength	max. DC 30 V (loa	d circuit)				
Insulation resistance (OFF condition)	n/a, only electronic	n/a, only electronic disconnection				
Modules mountable side by side	max. 36 channels allowed. Total current value shall be below 40 Amps. (sample case: 36 channels refer to 1 Amp nominal current channels)					
Terminals Push-in terminal PT 2.5	LOAD+ 0.14mm² to 2.5mm², flexible AWG24 – AWG14 str.²					
wire stripping length	8mm to 10mm	8mm to 10mm				
² Rockwell Automation recommends to	o use ferrules for sma	aller diameter cable	es.			
Dimensions (h x w x d)	12.5 x 80 x 98.5 m	nm				
Weight	approx. 60 g					
1694-PMD2A10 – Adjustable Module		tion dedicated for I	n be used with standard and IO-Link version of Power Feed. For details, see th O-Link version of bulletin 1694: 1694-IN002x-EN-E.			
Conformity and approvals for 1	694-PM with 1694	-PF				
Conformity	CE Marking RoHS compliant China RoHS WEEE Morocco EMC	UKCA EAC RCM				
Approvals	UL 2367 RA	File # E350272	current rating range:1A 10A			
	UL 1310 RA NEC Class2 ³	File # E350272	current rating range: 1A, 2A, 3A, 4A			
	cULus508RA listed	File # E56639	current rating range:1A 10A			
³ Class 2 only for Protection Modules						



Typical time/current characteristic (T_{amb} = +23 °C, UB = DC 24 V)



I_{sc} - short circuit current

Temperature factor / continuous duty

Electronic components are generally temperature sensitive. Ambient temperature must be taken into consideration during the design phase. Bulletin 1694 time/current characteristic depends on the ambient temperature.

To determine derated threshold current for Protection Module (derated by temperature factors), please use below mathematical formula:

$$I_{dn} = I_n \times T_{factor} \times T_{ambient}$$

I_{dn} – threshold current derated by temperature factors.

In – Nominal threshold current.

- Temperature factor.

- · For single protection module (one or two channel) = 1.
- · For side-by-side mounted protection modules (two or more modules in one setup) = $T_{factor} = 0.8$.

T_{ambient} – Ambient temperature factor. This value shall be taken from the table (Figure 03) for corresponding ambient temperature.

Figure 03 - Temperature derating factor

	-20 °C	0 °C	10°C	23 °C	30 °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C
Ambient temperature	-4 °F	23 °F	50 °F	73.4 °F	86 °F	95°F	104 °F	113 °F	122 °F	131 °F	140 °F
Temperature factor	1	1	1	1	1	0.975	0.95	0.925	0.9	0.875	0.85

Please note

- Warning limit will be automatically adjusted to derated nominal threshold current value.
- Selection of current rating of the circuit protector ≤ rating of power supply.
- Mathematical formula above is an approximation.
- Please refer to Temperature derating calculator for bulletin 1694 (Electronic Circuit Protection) in online catalog: https://www.rockwellautomation.com/content/dam/rockwell-automation/sites/downloads/zip/1694-temp-derating.zip

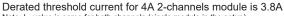
Examples

Calculation example 1)

Assumptions:

- Single protection module (two channels) used in the setup
- Ambient Temperature = 40°C
- Nominal threshold current In = 4A
- T_{factor} =1 (single protection module in the setup)
- T_{ambient} = 0.95 (value for 40°C taken from table (Figure 3))

$$I_{dp} = 4A \times 1 \times 0.95 = 3.8A$$



Note: I_{dn} value is same for both channels (single module in the setup)



Calculation example 2) - Extreme scenario

Assumptions:

- Two protection modules:
 - · 4A, 2-channels Protection Module
 - · 8A, single channel Protection Module
- Ambient Temperature = 60°C
- Nominal threshold current In = 4A and 8A
- T_{factor} =0.8 (more than one protection module in the setup)
- T_{ambient} = 0.85 (value for 60°C taken from table (Figure 3))

For first module (2 Ch., 4A)

 $I_{dn} = 4A \times 0.8 \times 0.85 = 2.72A$

For second module (1 Ch., 8A)

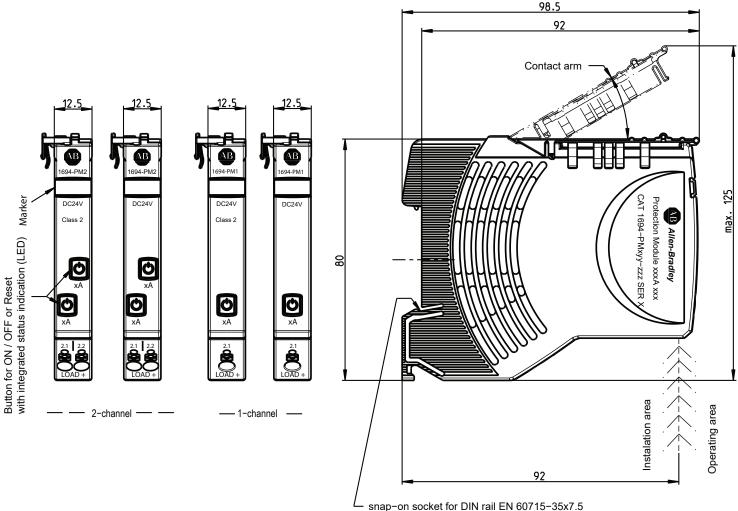
 $I_{dp} = 4A \times 0.8 \times 0.85 = 2.72A$



- 4A 2-channels module is 2.72A
- 8A single channel module is 5.44A



Dimensions 1694-...



Small opening above the screwdriver insert (marked as 2.1 and 2.2) = voltage measuring point. Larger opening under the screwdriver insert (marked as LOAD +) = wire connection area.

General recommendation for all 1694 modules installation.

Screwdriver for installation: blade-style screwdriver size 1 for smaller Push-in terminal (PT 2.5) inserts.

Mounting position: horizontal mounting position is preferred.

Product selection list - 1694-PMx

Catalog Code	Description
1694-PM110	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 10A
1694-PM11	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 1A
1694-PM11-CL2	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 1A, Class 2
1694-PM12	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 2A
1694-PM12-CL2	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 2A, Class 2
1694-PM13	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 3A
1694-PM13-CL2	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 3A, Class 2
1694-PM14	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 4A
1694-PM14-CL2	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 4A, Class 2
1694-PM16	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 6A
1694-PM18	Electronic Circuit Protection, Protection Module, 1-Channel, Fix Current, In 8A
1694-PM211	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 1A, 1A
1694-PM211-CL2	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 1A, 1A, Class 2
1694-PM222	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 2A, 2A
1694-PM222-CL2	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 2A, 2A, Class 2
1694-PM233	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 3A, 3A
1694-PM233-CL2	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 3A, 3A, Class 2
1694-PM244	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 4A, 4A
1694-PM244-CL2	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 4A, 4A, Class 2
1694-PM266	Electronic Circuit Protection, Protection Module, 2-Channels, Fix Current, 6A, 6A
1694-PMD2A10	Electronic Circuit Protection, Protection Module, IO-Link, 2-Channels, Adjustable Current, 1A to 10A

Bulletin 1694. Power Feed 1694-PFx and Distribution Modules 1694-DMx Temperature

Power Feed 1694-PFx: Power Feed Module receives the DC 24 V supply voltage, e.g. from a switched mode power supply, and distributes it to the mounted circuit protectors via the integral connector arm of the 1694-PM. (The potential-free auxiliary contact in the 1694-PFA1244 indicates any detected failures through the circuit protector, e.g. to the superordinate control unit (CPU).)

Distribution Modules 1694-DMx: For terminal multiplication to add multiple wires for + and - 24VDC

Notes

Please refer to notes section for Electronic circuit protection for 24V DC

Technical data (T_{amb} = +23 °C, U_{B} = DC 24 V)

General data - common for 1694-PFx / 1694-DMx

Mounting method	symmetrical rail to EN 60715-35x7.5		
Ambient temperature (T _{amb})	5°+60 °C (without condensation, cf. EN 60204-1)		
Storage temperature	-30°+70 °C		
Mounting temperature	+5° +60°C		
Humidity:	96 hrs / 95% RH RH/40 °C to IEC 60068-2-78-Cab climate class 3K3 to EN 60721		
Corrosion Only 1694-DM and 1694-PF accessories	96hrs. in 5% salt mist to IEC 60068-2-11 test Ka		

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Vibration resistance	3 g, test to IEC 60068-2-6 test Fc		
Degree of protection terminal area 1694-PF, 1694-DM:	IEC 60529, DIN VDE 0470 IP20		
EMC requirements (EMC Directive, CE Logo)	Emitted interference: EN 61000-6-3 Noise immunity: EN 61000-6-2		
Insulation co-ordination (IEC 60934)	0.5 kV / pollution degree 2		
Dielectric strength	max. DC 30 V (load circuit)		
Dimensions	12.5 x 80 x 98 mm		
Data for Distribution Module 1	694-DMx		
Operational Current	Max. 20 A in total. Max. 10 A per terminal		
Operating voltage U _B	0V - DC 24V (0 30 V)		
Dimensions (h x w x d)	12.5 x 80 x 98.5 mm		
Weight approx.	60 g		
Insulation coordination	0.5 kV / pollution degree 2 For 1694-DM1L2, 1694-DM2L2: 0.8 kV / pollution degree 2		
Data for Power Feed Module 1	694-PFx		
Operating voltage U _B	DC 24 V (min. 18 V, max. 30 V) (no battery-buffered applications)		
Operating current I _B	1694-PFx: Max. 40 A		
Dimensions (h x w x d)	12.5 x 80 x 98 mm		
Reverse polarity protection	Yes, without load		
Closed current I ₀	normal condition: typically 10 mA (min. 6,5 mA; max. 11,8 mA)		
Auxiliary contact potential-free	only in 1694-PFA1244 max. DC 30 V/0.5 A, min. 10 V/1 mA		
Group signalling Si terminal: Si (13) / Si (14)	Auxiliary contact N/O		
Normal condition:	Auxiliary contact closed		
Trip condition:	coming from all protection modules - when ON, load output ON - when OFF, load output OFF		
	auxiliary contact open Coming from one or more protection modules - after disconnection due to overload or short circuit - after undervoltage release of operating voltage in ON condition with auto reset - at no operating voltage U _B in supply module		
Insulation coordination	0.5 kV / pollution degree 2 For 1694-PF3L4C, 1694-PF2L4S: 0.8 kV / pollution degree 2		

Terminals 1694-PFx: LINE+1, 1694-PF3G4: 0V

Push-in terminal PT 10 0.5mm2 to 10mm2, flexible AWG20 - AWG8 str.4

wire stripping length 18mm

Terminals 1694-PFx: 0 V / Si 13 / Si 14

Push-in terminal PT 2.5 0.14mm2 to 2.5mm2, flexible

AWG24 – AWG14 str. 5

8mm to 10mm wire stripping length

Terminals 1694-DMx: LOAD+, 1694-DM3G2: 0V

Push-in terminal PT 2.5 0.14mm2 to 2.5mm2, flexible AWG24 - AWG14 str. 5

wire stripping length 8mm to 10mm

⁵ Rockwell Automation recommends to use ferrules for smaller diameter cables

Dimensions (h x w x d) 12.5 x 80 x 98.5 mm

Weight approx. 60 g

Terminals 1694-DM and 1694-PF

Conformity	1694-DM*	CE Marking RoHS compliant China RoHS WEEE	UKCA EAC		
	1694-PF1G4, 1694-PF3G4, 1694-PF3L4C	CE Marking RoHS compliant China RoHS WEEE	UKCA EAC		
	1694-PF1244, 1694-PF2L4S, 1694-PFA1244	CE Marking RoHS compliant China RoHS WEEE Morocco EMC	UKCA EAC RCM		

Approvals: 1694-PF3L4C, 1694-PF1G4, 1694-PF3G4:

UL 1059, RA File # E40735

1694-PF2L4S:

UL 2367, RA File # E350272 cULus508listed, RA File # E56639 1694-DM1L2, 1694-DM2L2, 1694-DM3G2:

UL 1059, RA File # E40735

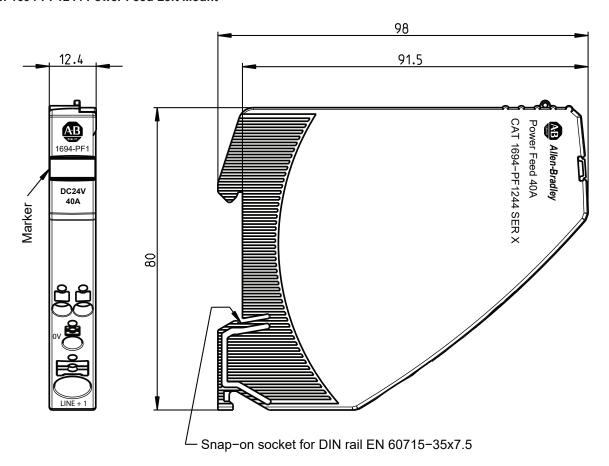


At the End of its life, this equipment should be collected separately from any unsorted municipal waste.

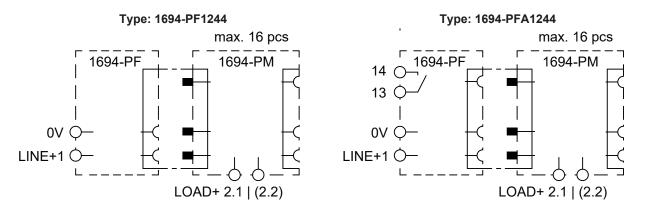
⁴ Rockwell Automation recommends to use ferrules for smaller diameter cables

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Dimensions: 1694-PF1244 Power Feed Left Mount

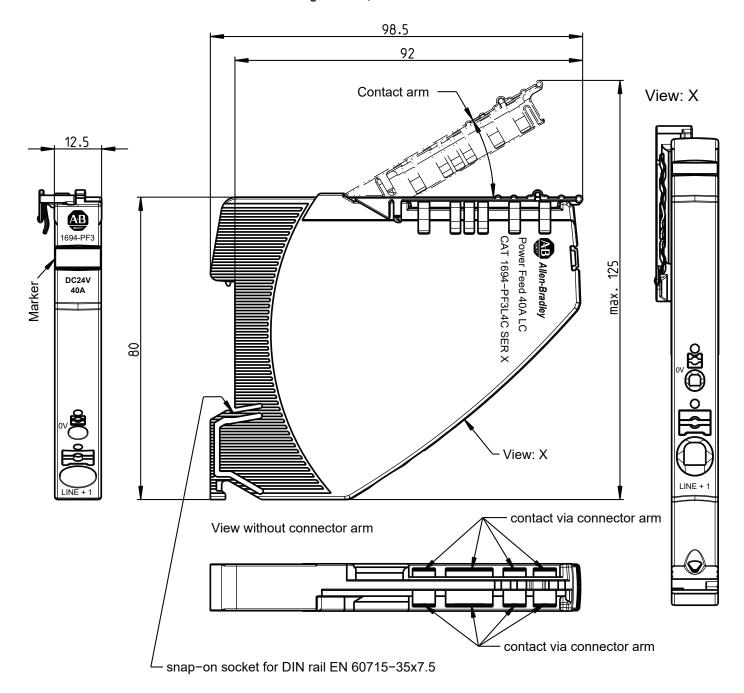


Schematic diagram: 1694-PF1244 (with 1694-PM). Left Mount

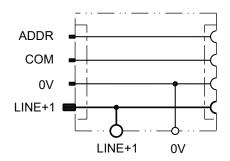


The meaning of diagram is symbolic (there is electrical connection between output and input connections for Line +1 and 0V done by semiconductor element).

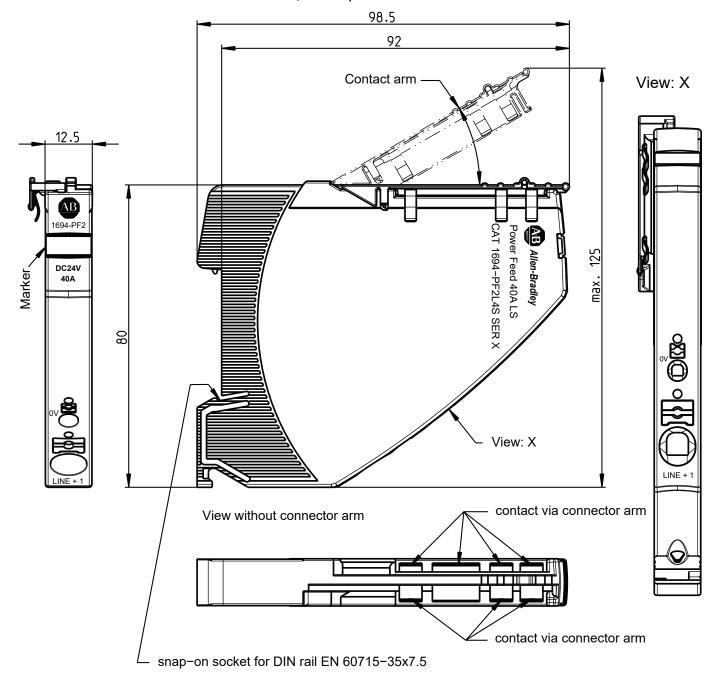
Dimensions: 1694-PF3L4C Power Feed. Centre/Right Mount, LINE Connected



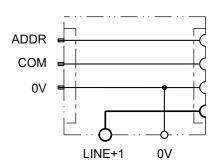
Schematic diagram: 1694-PF3L4C. Centre/Right Mount , LINE Connected



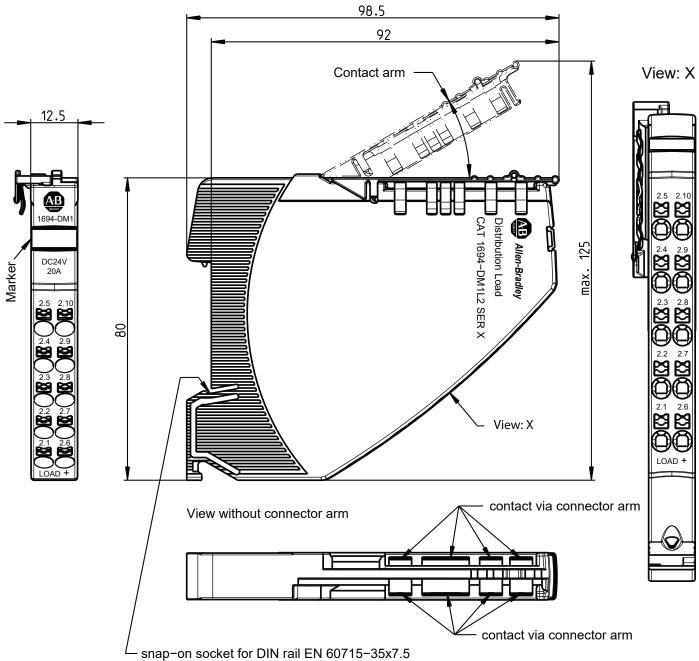
Dimentions: 1694-PF2L4S Power Feed Center Mount, LINE Separated



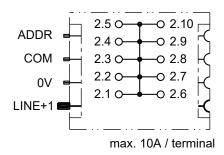
Schematic diagram: 1694-PF2L4S Power Feed Center Mount, LINE Separated



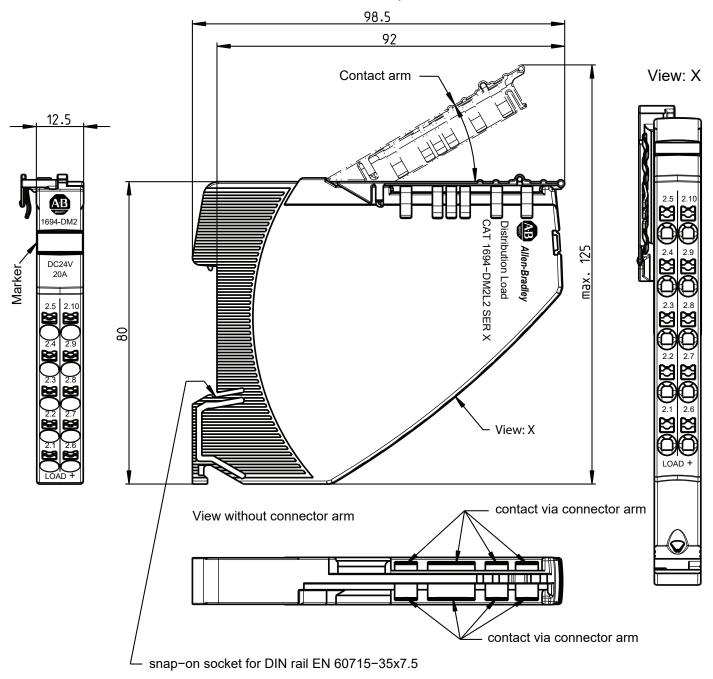
Dimensions: 1694-DM1L2 Distribution Load 10 Terminals, 1xLINE, 9xLOAD, Imax 20A



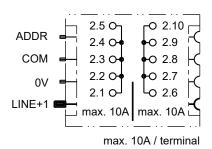
Schematic diagram: 1694-DM1L2 Distribution Load, 10 Terminals, 1xLINE, 9xLOAD, Imax 20A



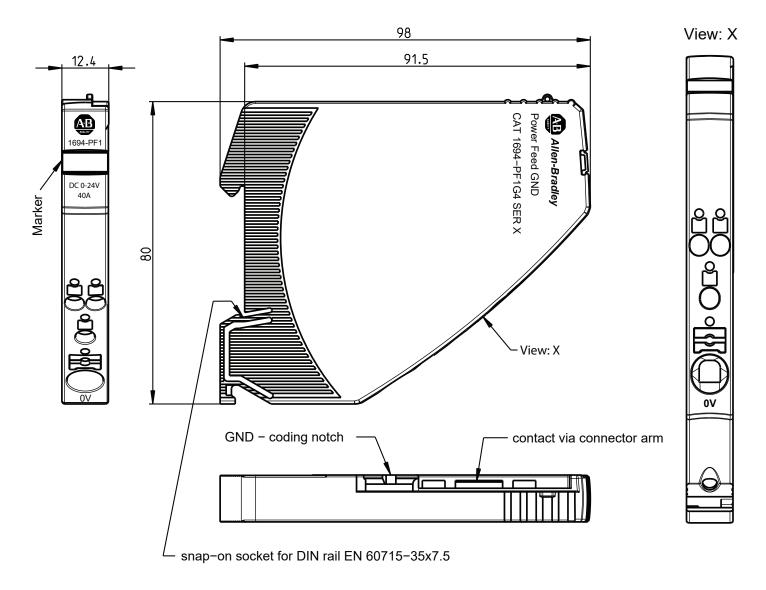
Dimensions: 1694-DM2L2 Distribution Load, 10 Terminals, 2xLINE separated, 4xLOAD each, Imax 20A



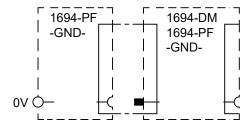
Schematic diagram: 1694-DM2L2 Distribution Load, 10 Terminals, 2xLINE separated, 4xLOAD each, Imax 20A



Dimensions: 1694-PF1G4 Power Feed GND, 0V Ground, Imax 40A

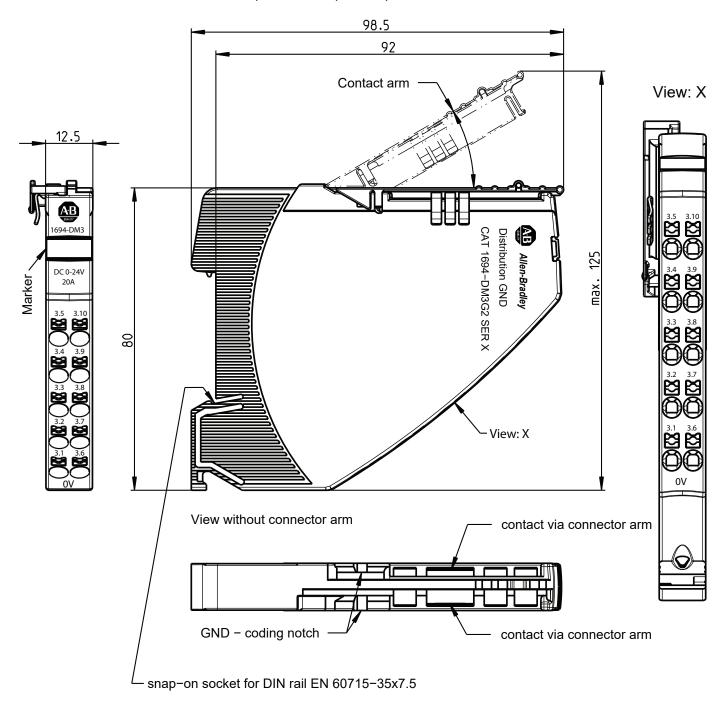


Schematic diagram: 1694-PF1G4 Power Feed GND, 0V Groud, Imax 40A

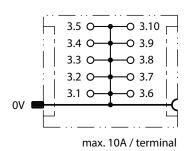


The meaning of diagram is symbolic (there is electrical connection between output and input connections for Line +1 and 0V done by semiconductor element).

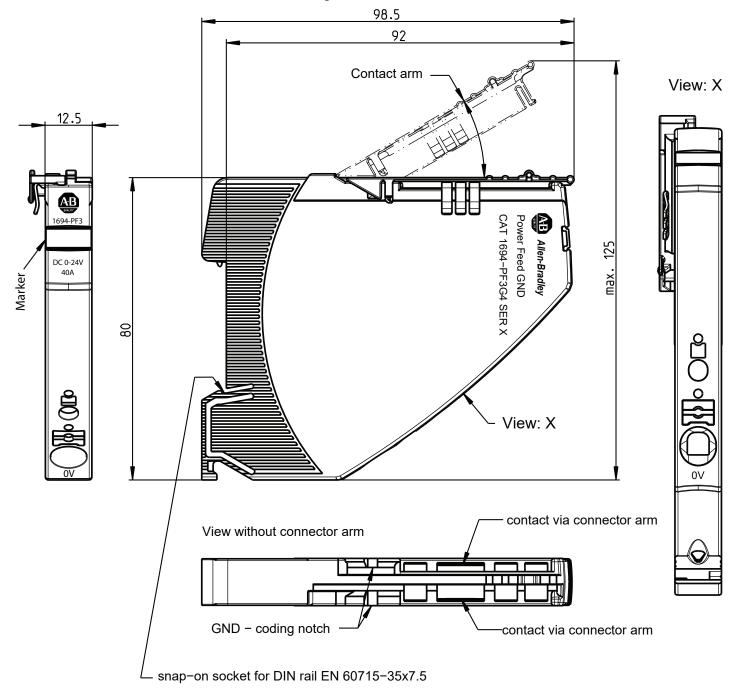
Dimensions: 1694-DM3G2 Distribution GND, 10 Terminals, Ground, Imax 20A



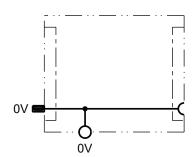
Schematic diagram: 1694-DM3G2 Distribution GND, 10 Terminals, Ground, Imax 20A



Dimensions: 1694-PF3G4 Power Feed GND Middle or Right Mount, 0V Ground, Imax 40A



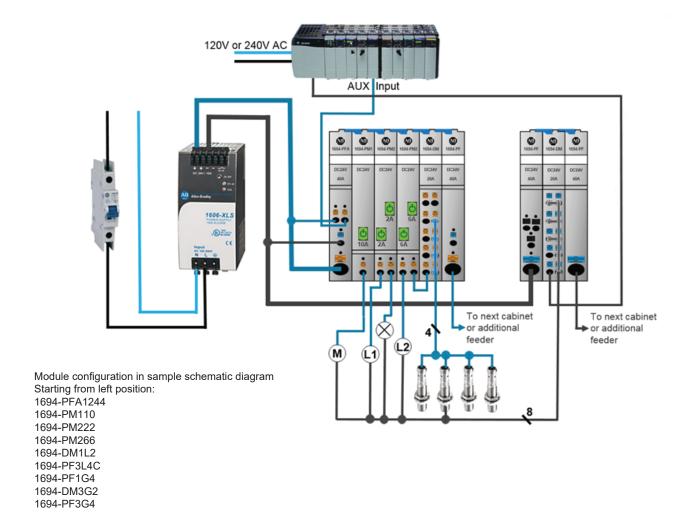
Schematic diagram: 1694-PF3G4 Power Feed GND Middle or Right Mount, 0V Ground, Imax 40A



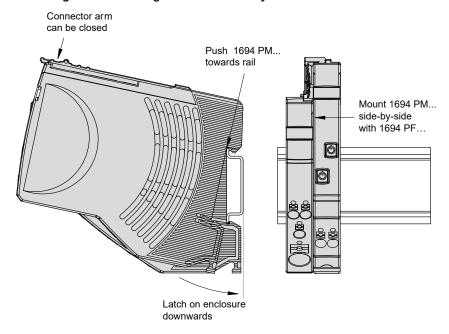
Product selection list - 1694-PFx / 1694-DMx

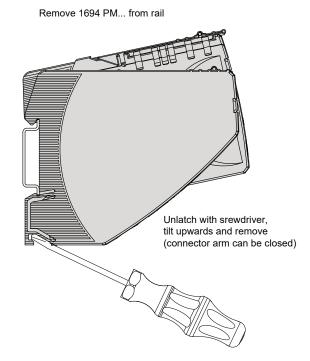
Catalog Code	Description
1694-PF1244	Power Feed, Left Mount, Supply Voltage 24V DC, Imax 40A, No AUX Contact
1694-PFA1244	Power Feed, Left Mount, Supply Voltage 24V DC, Imax 40A, with AUX Contact
1694-PF3L4C	Power Feed, Middle or Right Mount, Supply Voltage 24V DC, Imax 40A, LINE connected
1694-PF2L4S	Power Feed, Middle Mount, Supply Voltage 24V DC, Imax 40A, LINE separated
1694-DM1L2	Distribution Module, 10 Terminals, 1xLINE, 9xLOAD, Imax 20A
1694-DM2L2	Distribution Module, 10 Terminals, 2xLINE separate, 4xLOAD each, Imax 20A
1694-PF1G4	Power Feed, 0V Ground, Imax 40A
1694-DM3G2	Distribution Module, 10 Terminals, Ground, Imax 20A
1694-PF3G4	Power Feed, Middle or Right Position, 0V Ground, Imax 40A

Sample configuration



Mounting on or removing of 1694-... from symmetrical rail







Please note

Sliding on DIN rail is not permitted.

Open connector arm carefully to avoid damage

General recommendation for all 1694 modules installation.

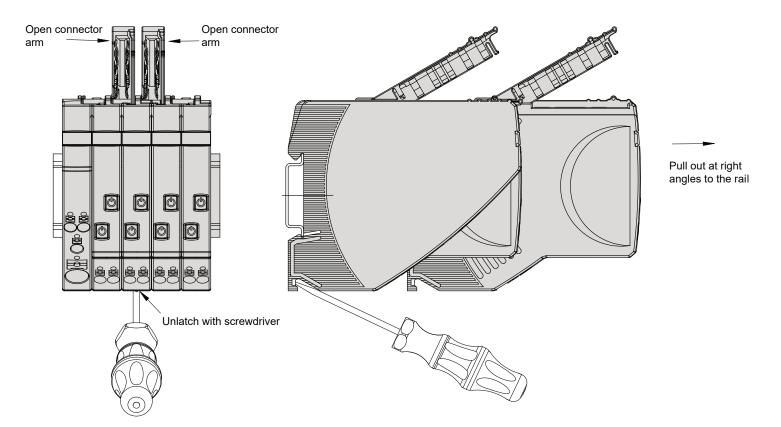
Screwdriver for installation:

- blade-style screwdriver size 1 for smaller Push-in terminal (PT 2.5) inserts
- blade-style screwdriver size 4 for larger Push-in terminal (PT 10) inserts

Mounting position:

horizontal mounting position is preferred

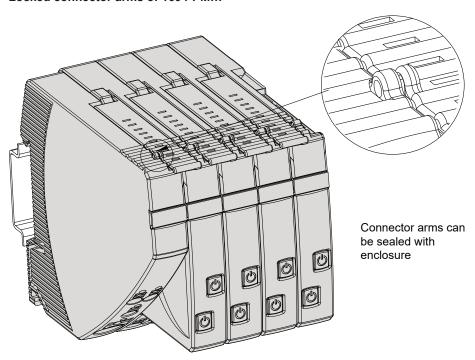
Application example: Latch on housing Replacement or disassembly



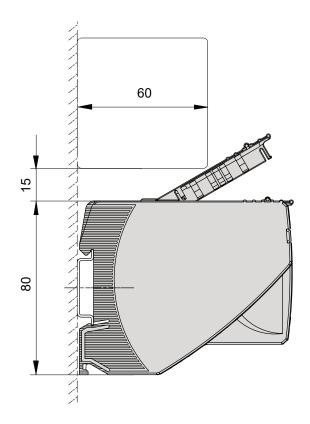


Caution: Exchange/disassembly only in dead-voltage condition! Potentials will be interrupted.

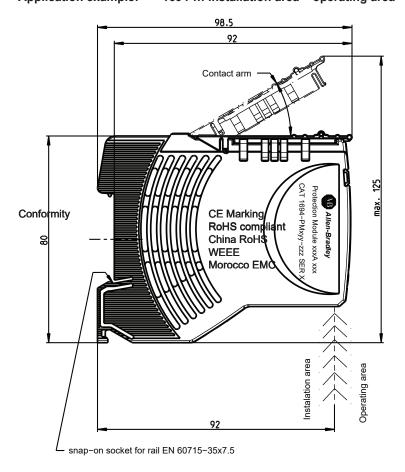
Locked connector arms of 1694-PM...



Distance between cable duct and connector arm of 1694-...



Application example: 1694-... installation area – operating area



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Rockwell Automation Support

Rockwell Automation maintains current product certification documents on its website at https://rok.auto/certifications

Rockwell Automation maintains current product environmental information on its website at https://rok.auto/pec

Installation Instructions, Manuals, Brochures, and Technical Data: https://www.rockwellautomation.com/global/literature-library/overview.page

Bulletin 1694 web page: https://rok.auto/1694-ECP

For the latest product information updates please check above links or www.rockwellautomation.com

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Rockwell Automation maintains current product environment al compliance information on its website at rok.auto/pec.

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