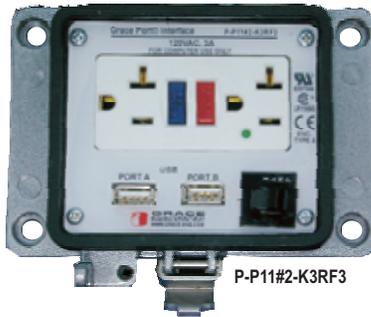


# GracePort® USB Universal Serial Bus

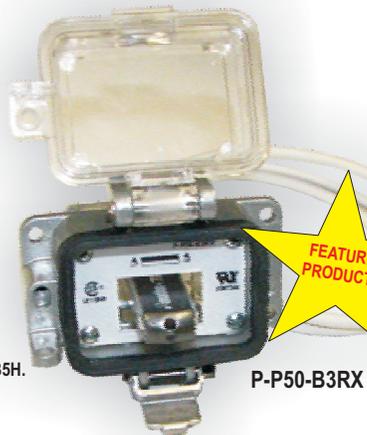
A Universal Serial Bus (USB) is a staple in interface devices, and Grace Engineered Products is your world-wide headquarters for any combination of USB port. All USB GracePorts® offered by Grace Engineered Products are pass-through, 2.0 connectors that do not alter the electrical signal in anyway. Grace offers both Type A and Type B connectors and custom makes every USB GracePort® according to the customer's precise specifications.



## Thru-door Flash Drive!

Maintain your NEMA rating by having this thru-door, recessed USB access. You can insert your flash drive and close the lid while you run your program.\*

\*Maximum flash drive dimensions are 2.25L x 0.68W x 0.35H. Please call with questions. Remember, we customize!



CONNECTOR CODES	USB TYPE - Front to Back	GENDER OUTSIDE	GENDER INSIDE
P11	TYPE "A" TO "A" with 10' cable	FEMALE	MALE
P15	TYPE "B" TO "B" with 6' cable	FEMALE	MALE
P19	TYPE "A" TO "B" Bulkhead	FEMALE	FEMALE
P22	TYPE "A" TO "A" Bulkhead	FEMALE	FEMALE
P27	TYPE "B" TO "B" Bulkhead	FEMALE	FEMALE
P28	USB KEYBOARD with 10' cable	N/A	N/A
P29	USB MOUSE with 10' cable	N/A	N/A
P50	USB FLASH DRIVE* Port with 10' cable	FEMALE	MALE
Q50	TYPE "A" TO "B" Bulkhead	FEMALE	FEMALE
Q51	TYPE "B" TO "A" Bulkhead	FEMALE	FEMALE

\*Flash drive is not included.

GracePorts® are intended to be mounted in or on an enclosure product. Installation should be performed by a qualified technician and adhere to applicable regulatory codes. These devices are for mounting on the flat surface of enclosures having the same type environmental ratings.

### SPECIFICATIONS: ELECTRICAL

Low voltage (data), limited to 30 VDC  
High voltage supply (for computer use only)  
120 VAC, 15A (UL), 5A (CSA)  
230-240 VAC, 16A (CE only)

### SPECIFICATIONS: MECHANICAL

Housing: Cast aluminum base  
Latch: Type 304 Stainless Steel (1CR18NI19)  
Cover: Polycarbonate, UV rated, V-O Flame rated  
Gasket: Thermoplastic elastomer  
Insert Material: Acrylic UL94HB

APPROVALS     
UL: RECOGNIZED: E207344 (Outdoor Use)  
CSA: LR110845 (not for interrupting circuit)  
CE: EN61010/EN60950 (Foreign Power Outlets)



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