

10/28/2020

Dear valued customer,

Panduit has put certain Reel Smart™ products on a production and inventory hold. We have experienced issues with certain production equipment resulting in a period of downtime.

Unfortunately, due to the complexity and severity of the issue with the equipment, we are forced to extend the projected resolution date out to February, 2021. The repair and testing of the equipment have proven to take significantly longer than anticipated.

During this time we urge you to consult with a customer experience advocate or sales representative to review this information and your options for potential product substitutions. More information can be found in the following charts.

Affected Product	Optional Replacement*
PMV6-5RB-2K	PMN6-5R-2K
PV10-10FB-2K	PN10-10F-2K
PV10-10FFB-2K	PN10-10FF-2K
PV10-10LFB-2K	PN10-10LF-2K
PV10-10RB-2K	PN10-10R-2K
PV10-14FB-2K	PN10-14F-2K
PV10-14RB-2K	PN10-14R-2K
PV10-14LFB-2K	
PV10-38RB-2K	PN10-38R-2K
PV10-56RB-2K	PN10-56R-2K
PV10-6FB-2K	PN10-6F-2K
PV10-6LFB-2K	PN10-6LF-2K
PV10-6SLFB-2K	
PV10-6RB-2K	PN10-6R-2K
PV10-8FB-2K	PN10-8F-2K
PV10-8FFB-2K	PN10-8FF-2K
PV10-8LFB-2K	PN10-8LF-2K
PV10-8RB-2K	PN10-8R-2K
PV12-10HDRB-2K	PN12-10HDR-2K
PV12-14HDRB-2K	
PV12-38HDRB-2K	PN12-38HDR-2K
PV12-56HDRB-2K	PN12-56HDR-2K
PV12-6HDRB-2K	PN12-6HDR-2K
PV12-8HDRB-2K	PN12-8HDR-2K
DV10-250-2K	DNF10-250FIB-2K
DV10-250C-2K	

*Please refer to document D-TMSG10--SA-ENG Terminal Material guide for more information

**PNF family options may also be available and offer a closer replacement for customers who value a wire entry funnel design

***Premium Nylon material is only available for disconnect style terminals (DPF).

Panduit understands that some customers may have strict specifications incorporated into their decision to use a certain product. The closest functional cross for most Vinyl insulated products are Nylon insulated products, based on the equivalent breadth of offering and connection types. This being said, each of the materials will have different properties which may not be acceptable for all applications. Please reference the highlighted section of the table below, which can also be found in the material selection guide (D-TMSG10--SA-ENG).

A secondary alternative would be the loose piece packaged quantities of the Vinyl connectors that ***are available***. Please work with your local Panduit sales representative on potential accommodations for tooling required for use with these connectors.

Material Selection Criteria*		Insulation Material					
		Vinyl	Nylon	Premium Nylon	Kynar	Heat-Shrink	Polypropylene
Composition	Chemical	Polyvinyl chloride	Polyamide 6,6	Polyamide	Polyvinylidene fluoride	Polyolefin	Polypropylene
	Halogen Free	No	Yes	Yes	No	Yes	Yes
	RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Mechanical Properties	Tensile Yield Strength	6.9 kpsi	11.9 kpsi	13 kpsi	6.8 kpsi	1.5 kpsi	5.9 kpsi
	Tensile Modulus	465 kpsi	450 kpsi	399 kpsi	190 kpsi	0.5 kpsi	260 kpsi
	Impact Resistance	17.9 ft lb/in	112.5 ft lb/in	125.6 ft lb/in	3.9 ft lb/in	12.6 ft lb/in	65.6 ft lb/in
	Density	86 lb/ft³	71 lb/ft³	73 lb/ft³	111 lb/ft³	54 lb/ft³	57 lb/ft³
	Hardness	80 Shore D	88 Shore D	90 Shore D	77 Shore D	11 Shore D	32 Shore D
	Water Absorption	0.04%	7%	7%	0.04%	0.10%	0.02%
Electrical Properties	Electrical Resistance	1x10 ¹⁰ nΩ m	1x10 ¹¹ nΩ m	1x10 ¹¹ nΩ m	5x10 ¹¹ nΩ m	1x10 ¹⁰ nΩ m	1x10 ¹⁴ nΩ m
	Dielectric	450 V/Mil	550 V/Mil	500 V/Mil	280 V/Mil	500 V/Mil	580 V/Mil
Thermal Properties	Maximum Operating Temperature	220°F	220°F	220°F	300°F	255°F	200°F
	Minimum Operating Temperature	-60°F	-60°F	-60°F	-60°F	-60°F	-60°F
	Minimum Installation Temperature	-40°F	-60°F	-60°F	-40°F	0°F	-60°F
	Flammability	V0	HB	V2	V0	HB	HB
	Melt Temperature	400°F	500°F	500°F	335°F	N/A, Cross-Linked	410°F
Chemical Resistance	Salts	⊙	⊙	⊙	●	●	●
	Hydrocarbons	●	●	●	●	○	○
	Chlorinated Hydrocarbons	⊙	⊙	⊙	●	○	○
	Acids	⊙	●	●	●	●	●
	Bases	⊙	⊙	⊙	●	●	●

Key	●	⊙	○	⊙	●
	Best	Better	Good	Worse	Worst

*KYNAR is a registered trademark of Atofina Chemicals, Inc.

**The information above is intended to be used for comparison and are based on the raw material and not the finished product

Thank you for your patience,



Brendan Haas

Product Manager

Terminals and Stainless Steel & associated tools