## **TIA-1005-A M.I.C.E Rated Product Selection Guide**





## TIA-1005-A M.I.C.E Rated Product Selection Guide

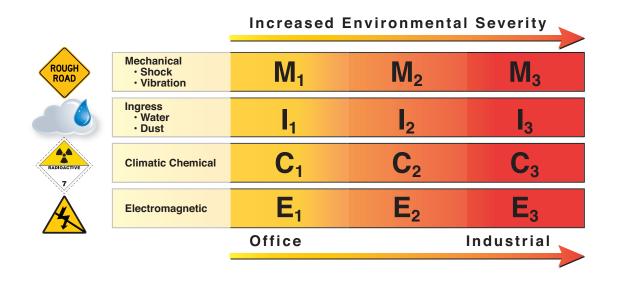
When designing the physical infrastructure to support network communications in a manufacturing location, TIA-1005-A is a standard that must be considered.

According to the TIA-1005-A standard, there are three basic types of industrial areas:

- Factory Floor
- Work Area
- Automation Island

Designing for the manufacturing environment requires an intimate knowledge of these areas to ensure the infrastructure supports the different environments found on the plant floor. Considerations such as shock and vibration, handling of water or dust, temperature, washdown areas, exposure to acids or oil mixtures and electromagnetic noise must be taken into account when selecting solutions to support these harsh environments.

Environmental classifications and ratings based on Mechanical, Ingress, Climatic/Chemical, Electro Magnetic (M.I.C.E) attributes provide a method of categorizing the environmental classes required for each of the industrial areas and are rated as 1 = low, 2 = medium, and 3 = high.



Whether you are designing for the factory floor, work area or automation island, Panduit offers solutions that meet the TIA-1005-A M.I.C.E guidelines. This selection guide provides the industrial physical infrastructure designer with detailed M.I.C.E information about each of Panduit's network products typically considered in industrial environments. For an expanded offering of level 1 parts that may be used in your industrial network, visit panduit.com/networkpartsamerica or the online catalog at panduit.com.

For additional information on M.I.C.E ratings contact our technical support team at techsupport@panduit.com or call 800-777-3300.

For more information about the TIA-1005-A standard, visit tiaonline.org.

																D	etail	ed M	ICE F	Ratin	g										
			N/II	CE						N	lech	anic	al				Ing	ress				CI	imat	ic/Ch	em	ical				E	МІ
		(Fi	inal		ng)				M <sub>2</sub>					M,	ı		l <sub>2</sub>	l <sub>3</sub>			C <sub>2</sub>						C <sub>3</sub>			E <sub>2</sub>	E <sub>3</sub>
LEGEND:  • = Acceptable for use in Environment  x = Not Acceptable	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.					100 ms-1	7mm/20ms-1		1/150mm	107		250 ms-1	15mm/50 ms-1	2	2200N/150mm 30J				-25°C to +70°C	1,0 °C/min	See C3	0,0		-40°C to +70°C	, C C C	3,0 C/IIIIII	< 500 ppm	-			
for use in Environment  - = Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	M	1	С	E	shock	vibration	Connected		impact resistance	torsion	shock	vibration	*Tensile Connected	compression impact resistance	torsion	IP 54/65	IP 67	operation temp.	temp. change	sun radiation	oli resistance	res. Ilquid chemicals	operation temp.	- 020040 02004	sun radiation	oil resistance	res. liquid chemicals	res. gaseous agents		
Part Number	Product Description																														
Copper Cable Category 7																															
PSMD7004WG-LED	Copper cable, MUD-resistant, Category 7, 4-pair, 22 AWG stranded, S/FTP, LSZH (IEC 60332-3), SHF2, window Gray, Euro pallet, 1640 ft./500m reel.	2	-	2	2	•	•	-	•	•	•						_			•		•	С	С			•			•	
PSDMA7004WG-LED	Copper cable, armored, MUD-resistant, Category 7, 4-pair, 22 AWG stranded, S/FTP, LSZH (IEC 60332-3), SHF2, window Gray, Euro pallet, 1640 ft./500m reel.	2	-	2	2	•	•	-	•	•	•						_			•		•	С	С	•		•			•	
PSM7004BU-KEM	Copper cable, Category 7, 4-pair, 23 AWG, S/FTP, LSZH, Blue, Euro pallet, 3280 ft./1000m reel.	2	-	2	2	•	•	-	•	•	•						_			•		•	С	С	•		•			•	
Category 6A																															
ISX6X04A*-LED	Copper cable, industrial, Category 6A 4-pair, 24/7 AWG stranded, S/FTP, PUR, 1640 ft./500m reel.	2	-	2	2	٠	•	-	•	•	•						-			•		•	С	С	•		•			•	
ISFCH6X04A*-UG	Copper cable, industrial, 600V, Category 6A, High Flex, 4-pair, 24/7 AWG stranded, SF/UTP, CM, 1000 ft./305m reel.	2	-	2	2	•	•	-	•	•	•						_			•		•	С	С	•		•			•	
ISFCH6X04B*-UG	Copper cable, industrial, 600V, Category 6A, High Flex, 4-pair, 26/7 AWG stranded, SF/UTP, CM, 1000 ft./305m reel.	2	-	2	2	٠	•	-	•	•	•						_			•		•	С	С	•		•			•	
PUP6AV04*-G	Copper cable, Category 6A, 4-pair, 23 AWG stranded, UTP, CMP, 1,000 ft./305m reel.	1	_	1	1	х	-	х	х	х	х						_		х	х	х	х	X :	х						Х	
Category 6																															
ISX6004A*-LED IFRH6C04*-UG	Copper cable, industrial, Category 6, 4-pair, 24/7 AWG stranded, S/FTP, PUR, 1640 ft./500m reel.  Copper cable, industrial, 600V, Category 6, 4-pair, 23/1 AWG, F/UTP,	2	-	2	2	•	•	-	•	•	•						-			•				С	•		•			•	
IUC6C04A*-CEG	CMR, Black, 1000 f.t/305m reel. Copper cable, industrial, Category 6, 4-pair, 24/7 AWG stranded, U/UTP,	2	-	2	2	•	•	-	•	•	•						-		-20				С							•	
Category 5e	CM, 1000 ft./305m reel.	2	-	2	1	•	•	-	•	•	•								-20	•		•	С	С			•			X	
ISFCH5C02A*-XG	Copper cable, industrial 600V, Category 5e, High Flex, 2-pair, 24/7 AWG stranded, SF/JTP, CM, 1000 ft./305m reel.	2	_	2	2	•	•	-	•	•	•						-			•		•	С	С	•		•			•	
ISFCH5C04A*-XG	Copper cable, industrial 600V, Category 5e, High Flex, 4-pair, 24/7 AWG stranded, SF/UTP, CM, 1000 ft./305m reel.	2	-	2	2	•	•	-	•	•	•						-			•		•	С	С			•			•	
ISFX5502A*-LED	Copper cable, industrial, Category 5e, 2-pair, 24/7 AWG stranded, SF/UTP, PUR, 1640 ft./500m reel.	2	-	2	2	•	•	-	•	•	•						-			•		•	С	C	•		•			•	
IFC5C04B*-CEG	Copper cable, industrial, Category 5e, 4-pair, 26/7 AWG stranded, F/UTP, CM, 1000 ft./305m reel.	2	-	2	2	•	•	-	•	•	•						-		-20	•		•	С	С			•			•	
IFRH5C02*-UG	Copper cable, industrial, 600V, Category 5e, 2-pair, 24/1 AWG solid, F/UTP, CMR, 1000 ft./305m reel.	2	_	2	2	•	•	-	•	•	•						-		-20	•		•	С	С		•	•			•	
IFRH5C04*-UG	Copper cable, industrial, 600V, Category 5e, 4-pair, 24/1 AWG solid, F/UTP, CMR, 1000 ft./305m reel.	2	-	2	2	•	•	-	•	•	•						_		-20	•		•	С	С			•			•	
IURHT5C04*-UG	Copper cable, industrial 600V PLTC, Category 5e, 4-pair, 22/1 AWG, U/UTP, CMR, 1000 ft./305m reel.	2	_	2	1	•	•	-	•	•	•						_		-20	•		•	С	С		•	•			х	
IUC5C04A*-CEG	Copper cable, industrial, Category 5e, 4-pair, 24/7 AWG stranded, U/UTP, CM, 1000 ft./305m reel.	2	-	2	1	•	•	-	•	•	•						-		-20	•		•	С	С		•	•			Х	

<sup>\*</sup>Available in multiple colors.

Tended Connected: This aspect of environmental classification is installation specific and should be considered in association with Environment and properties of the control of the con									ng	Ratii	ICE	ed M	etaile	De																			
Company   Comp	EM			nica	Chen	tic/C	lima	C				ress	Ingi					al	anica	lecha	IV						°E	MIC				MIC	
To read in Environment	<b>E</b> <sub>2</sub> 1	3	С					, 2	С			I <sub>3</sub>	l <sub>2</sub>			<b>1</b> <sub>3</sub>	M					WI <sub>2</sub>	N			ng)			(Fir	(F			(Fir
Environment   materialistics reportion and strong the consideration is association with EC of 1913 and this propertyals common specification in 1903 and 500 i		< 500 ppm	1120 W/m <sup>2</sup>	3,0 °C/min	-40°C to +70°C			< 5,0 ppm	See C3	1,0 °C/min	-25°C to +70°C				307	2200N/150mm	2	15mm/50 ms-1	250 ms-1		107	1100N/150mm	300N	7mm/20ms-1	100 ms-1						er		
Category 6A  IAGEBROX  IndustrialNet* Variant 1 bulkhead, Category 6A, Shielded Connector  3 3 3 2 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	res. Iquid chemicals	oil resistance	sun radiation	temp. change	operation temp.		res. liquid chemicals	oil resistance	sun radiation	temp. change	operation temp.	IP 67	IP 54/65	torsion	impact resistance	compression	*Tensile Connected	vibration	shock	torsion	impact resistance	compression	*Tensile Connected	vibration	shock	E	С	1	М			1	VI
Category SA  IndustrialNet* Variant 1 bulkhead, Category 6A, Shielded Connector  3																																	
IAEBHAXS																																	
IndustrialNet" Variant 1 bulkhead, Category 6A, UTP Connector			•			С	C	•			-20	•		•		•			4							2	2	3	3	3		3	3
CJSM6X88TG	х							•						-	•	•	_	•	•							1							
Category 6A, RJ45, 8-position, 8-wire, IP 40, universal module. 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					•			Х		Х			х							_	х	Х	-	•	•	2	1	1				1	
RJAS Modular Plug (conductor diameter 1.0 — 1.6mm).   1	Х								х		х												х	Х	х	1	1	1	1	1		1	1
RJASS Modular Plug (conductor diameter 0.85 – 1.0mm).  18PS6A88MFA  IndustrialNet**, Category 6A, Field Terminable, M12 X-Code Plug.  18EBHV56XS  Industrial variant 5 STP category 6A bulkhead connector.  18	•				•	х	х	х		х			х							_	х	х	-	•	•	2	1	1	1	1		1	1
AEBHV56XS   Industrial variant 5 STP category 6A bulkhead connector.   3 3 3 2 2   1	•				•	х	х	х		х			х							-	х	х	-	•	•	2	1	1	1	1		1	1
MPSIV56XT IndustrialNetT Variant 1 bulkhead, Category 6, Shielded Connector.  IAEBH6S IndustrialNetT Variant 1 bulkhead, Category 6, Shielded Connector.  ISJ68BTG IndustrialNetT. Category 6, UTP Connector, for use in bulkhead assembly IAEBH6S.  IAEBH6S IndustrialNetT. Category 6, UTP Connector.  ISJ68BTG IndustrialNetT. Category 6, UTP Connector, for use in bulkhead assembly IAEBH6S.  IAEBH6S IndustrialNetT. Category 6, UTP Connector.  ISJ68BTG IndustrialNetT. Category 5 Shielded Connector.  ISJ68BTG IndustrialNetT. Variant 1 bulkhead, Category 5 Shielded Connector.  ISJ68BTG IndustrialNetT. Variant 1 bulkhead, Category 5 Shielded Connector.  ISJ68BTG IndustrialNetT. Category 5 Shielded Connec	• c •	•	•	•							•	•		-	•	•	-	•	•							2	1	3	3	3		3	3
Category 6  IAEBH6S	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
ABBH6S   IndustrialNet" Variant 1 bulkhead, Category 6, Shielded Connector.   3   3   2   2	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
IAEBH6																																	
IndustrialNet", Category 6, Shielded Connector, for use in bulkhead assembly IAEBH6S.   IndustrialNet", Category 6, UTP Connector, for use in bulkhead assembly IAEBH6.   IndustrialNet", Category 6, UTP Connector.   IndustrialNet", Category 6, UTP Connector.   IndustrialNet" Variant 1 bulkhead, USB 2.0 Female A to Female A coupler Module.   IndustrialNet", Category 5e Shielded, 600V, Patch Cord. Additional lengths available, replace 0.3 with 0.6, 1M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4, 4.5M, 5M, 7M, or 10M.   IAEBH5ES   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEBH5E   IndustrialNet" Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Category 5e, Shielded Connector.   IAEBH5E   IndustrialNet" Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.   IndustrialNet" Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEBH5E   IndustrialNet" Variant 1 bulkhead, Category 5e, UTP Connector.   IAEB	•		•			С	С	•						-	•	•	-	•	•							2							
Assembly IAEBHGS   Assembly IAEBHGS   Assembly IAEBHGS   IndustrialNet", Category 6, UTP Connector.   Assembly IAEBHG   IndustrialNet", Category 6, UTP Connector.   Assembly IAEBHG   IndustrialNet"   Variant 1 bulkhead, USB 2.0 Female A to Female A   Coupler Module.   Assembly IAEBHG   IndustrialNet"   Variant 1 bulkhead, USB 2.0 Female A to Female A   Assembly IAEBHG   IndustrialNet"   Category 5e Shielded, 600V, Patch Cord. Additional lengths available, replace 0.3 with 0.6, 1M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 5M, 7M, or 10M.   Assembly IAEBHG   IndustrialNet"   Variant 1 bulkhead, Category 5e, Shielded Connector.   Assembly IAEBHG   IndustrialNet"   Variant 1 bulkhead, Category 5e, UTP Connector.   Assembly IAEBHG   IndustrialNet"   Category 5e, Shielded Connector, for use in bulkhead assembly IAEBHG   IndustrialNet", Category 5e, Shielded Connector, for use in bulkhead assembly IAEBHG   IndustrialNet", Category 5e, UTP Connector, for use in bulkhead assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   IndustrialNet"   Category 5e, UTP Connector, for use in bulkhead   Assembly IAEBHG   Assembly IAEBH	Х		•			С	С	•		•	-20	•		•	•	•	-	•	•							1	2	3	3	3	_	3	3
AEBHC6   IndustrialNet", Category 6, UTP Coupler Connector.   3   3   2   1	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
IndustrialNet   Variant 1 bulkhead, USB 2.0 Female A to Female A   3   3   2   2	х		•			С	С	•		•	-20	•		•	•	•	-	•	•							1	2	3	3	3		3	3
Category 5e  ISTPHCH0.3TL IndustrialNet™, Category 5e Shielded, 600V, Patch Cord. Additional lengths available, replace 0.3 with 0.6, 1M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 5M, 7M, or 10M.  IAEBH5ES IndustrialNet™ Variant 1 bulkhead, Category 5e, Shielded Connector.  ISJ5E88TG IndustrialNet™, Category 5e, Shielded Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5ES.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IJSE88TG IndustrialNet™ variant 1 bulkhead variant 1 bulkhead variant 1 bulkhea	х		•			С	С	•		•	-20	•		•	•	•	-	•	•							1	2	3	3	3		3	3
IndustrialNet™, Category 5e Shielded, 600V, Patch Cord. Additional lengths available, replace 0.3 with 0.6, 1M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 5M, 7M, or 10M.  IAEBH5ES IndustrialNet™ Variant 1 bulkhead, Category 5e, Shielded Connector.  ISJ5E88TG IndustrialNet™, Category 5e, Shielded Connector, for use in bulkhead assembly IAEBH5ES.  IJ5E88TG IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  3 3 2 1	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
IAEBH5E IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Connector.  3 3 2 1	•								х				х							•	х	х	_	•	•		1		_			1	4
IndustrialNet™, Category 5e, Shielded Connector, for use in bulkhead assembly IAEBH5ES.  IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IndustrialNet™ Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IAEBHC5E  IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  INDUSTRIAN  INDUS	•														-			-															
assembly IAEBH5ES.  IJ5E88TG  IndustrialNet™, Category 5e, UTP Connector, for use in bulkhead assembly IAEBH5E.  IAEBHC5E  IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  3 3 2 2  5 5 7 6 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	Х															•	-	•	•														
assembly IAEBH5E.  IAEBHC5E IndustrialNet™ Variant 1 bulkhead, Category 5e, UTP Coupler Connector.  3 3 2 1  • • - • • • • -20 • • c c  • • C C	•		•			С	С	•						•	•	•	_	•	•														
NDOLEGOT Contract So. Of ANIC attituded models and provide half based	Х		•			С	С	•		•	-20	•		•	•	•	-	•	•							1	2						
MPSI588T Category 5e, 24 AWG, shielded modular plug with bulkhead.	х		•			С	С	•		•	-20	•		•	•	•	-	•	•							1	2	3	3	. 3	or.	3	3
	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
MPI588T Category 5e, 24 AWG, shielded modular plug with bulkhead.  3 3 2 2	•		•			С	С	•		•	-20	•		•	•	•	-	•	•							2	2	3	3	3		3	3
ISPS5E44MFA IndustrialNet <sup>™</sup> , Category 5e, M12 D-Code, Field Terminable Modular Plug.	• C •	•	•	•							•	•		-	•	•	-	•	•							2	1	3	3	3		3	3

																ı	Deta	iled	МІС	E Ra	ting	)										
			MIG	<b>.</b> -						M	echa	anica	al				lr	gres	ss				Clir	mati	c/Che	emic	al				ЕМІ	
		(Fi	nal F		ng)			IV	2					M	3			<sub>2</sub> I	3			C <sub>2</sub>						$C_3$			E <sub>2</sub> E	=3
LEGEND:  • = Acceptable for use in Environment  x = Not Acceptable	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.					100 ms-1	7mm/20ms-1	300N	1100N/150mm	101		250 ms-1	15mm/50 ms-1	2	2200N/150mm	307			Je 0, 120°C	1.0 °C/min	2 C C C C	>ee C3			-40°C to +70°C	3,0 °C/min	1120 W/m <sup>2</sup>	< 500 ppm				
for use in Environment  - = Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	M	1	С	Е	shock	vibration	*Tensile Connected	compression	impact resistance	torsion	shock	vibration	*Tensile Connected	compression	Impact resistance		IP 54/65	4 401	temp change	or italian	oil resistance	res. liquid chemicals	res, daseous adents	operation temp.	temp. change	sun radiation	oil resistance		res. gaseous agents		
Part Number	Product Description																															
Copper Connectivity USB	(continued)																															
IAPCMUSBAA* M12 Adapters	Industrial Mini-Com® USB 2.0 Female A/Female A Coupler.	1	1	1	1	Х	Х	_	Х	Х	-							K		х х	· )	к х	X	( X							Х	
ICAM12DRJS	IndustrialNet <sup>™</sup> , M12 D-Code Female to RJ45 Jack, Panel Mount Adapter.	1	1	1	2		•	_	Y	х	_							<b>(</b> )			,		C	c   c								
ICAM12XRJS	IndustrialNet <sup>™</sup> , M12 X-Code Female to RJ45 Jack, Panel Mount Adapter.	1	1	1	2	•	•	_	х	х	_							( )	(		)	κ •	0								•	
ICAM12X90RJS	IndustrialNet <sup>™</sup> , M12 X-Code, Female to 90° RJ45 Jack, Panel Mount Adapter.	1	1	1	2	•	•	_	х	х	-							<b>(</b> )	<		)	ζ •	C	; c							•	
Connectivity Access						_																										_
ISPS688FAS-WM	Cateogory 6A replacement wire managers for RJ45 plug for use with ISPS688FAS.	_	_	_	_	_	_	_	-	-	_						-	-	-	-   -	-   -	-   -	-   -	-   -	-						-	
ISPS688FA-WM	Cateogory 6A replacement wire managers for RJ45 plug for use with ISPS688FA.	-	-	-	-	-	-	-	-	-	-						-	-	-	-   -	-   -	-   -	-   -	-   -	-						-	
IAEBHV5C	Industrial variant 5 bulkhead connector cap.	3	3	2	2							•	•	-	•	•		•	-2	20 •		•	C	) c			•				•	
MPIV5C	Industrial variant 5 bulkhead modular plug cap.	3	3	2	2							•	•	-	•	•		•	-2	20 •		•	C	c			•				•	
Copper Patch Cords Category 6A																																
ISTPH6X0.3TL	IndustrialNet <sup>™</sup> , Category 6A Shielded, 600V, Patch Cord. Additional lengths available, replace 0.3 with 0.6, 1M, 1.5M, 2M, 2.5M, 3M, 3.5M, 4M, 4.5M, 5M, 7M, or 10M.	1	1	1	2	•	•	-	х	х	•							K	3	к х	: )	к х	×	СХ							•	
ISTP6X**	IndustrialNet™, Category 6A, Shielded, Patch Cord with Caps.	3	3	2	2							•	•	-	•	•		•	-2	20 •		•	C	C			•				•	
ISTP6X**R	IndustrialNet <sup>™</sup> , Category 6A, Shielded, Patch Cord Hybrid with Caps.	3	3	2	2							•	•	_	•	•		•	-2	20 •		•	C	c			•				•	
UTP6A***	Category 6A, UTP patch cord.	1	1	1	1	Х	Х	Х	Х	Х	Х							K		K X	)	к х	X	( X							х	
ICX^	IndustrialNet™, Category 6A, M12 X-Code, Overmolded Cordsets.	3	3	2	2							•	•	-	•	•		•		•		•	C	C	•		•				•	
Category 6 ISTPSPNC**	IndustrialNet <sup>™</sup> , Category 6, Shielded, Stranded Patch Cord.	3	3	2	2							•	•	_	•	•			-2	20 •		•	C	c			•				•	
IUTPSP**	IndustrialNet <sup>™</sup> , Category 6, UTP, Stranded Patch Cord with Caps.	3	3	2	1							•	•	_	•				-2	20 •			C	) c			•				х	
IUTPSPNC**	IndustrialNet <sup>™</sup> , Category 6, UTP, Stranded Patch Cord.	3	3	2	1							•	•	-	•	•		•	-2	20 •		•	C	c			•				х	
Category 5e ISTPCH**Y	IndustrialNet <sup>™</sup> , Category 5e, Shielded, Stranded Patch Cord with Caps.	3	3	2	2							•	•	_	•	•			2	20 •		•	C	c	:		•				•	
ISTPCHNC**Y	IndustrialNet <sup>™</sup> , Category 5e, Shielded, Stranded Patch Cord.	3	3	2	2							•	•	_	•				-2	20 •			C	) c			•				•	
IUTPCH**Y	IndustrialNet <sup>™</sup> , Category 5e, UTP, Stranded Patch Cord with Caps.	3	3	2	1							•	•	_	•	•			-2	20 •			C	) c			•				х	
IUTPCHNC**Y	IndustrialNet <sup>™</sup> , Category 5e, UTP, Stranded Patch Cord.	3	3	2	1							•	•	_	•	•			-2	20 •			C	; c			•				х	
ICD^	IndustrialNet <sup>™</sup> , Category 5e, M12 D-Code, Overmolded Cordsets.	3		2								•	•	_	•				,						•		•				•	
*Available in multiple c	olors. **Available in multiple lengths. ***Available in multiple colors					****/	Availa	able	in mı	ulinle	e col	ors a	and f	iber	coun					ilable								enatl	ns			

<sup>\*</sup>Available in multiple colors.

<sup>\*\*</sup>Available in multiple lengths.

<sup>\*\*\*</sup>Available in multiple colors and lengths. \*\*\*\*Available in muliple colors and fiber counts.

<sup>^</sup>Available in multiple configurations and lengths.

																D	etail	ed N	IICE	Rati	ng										
			MIC	`E						М	ech	anic	al				Ing	ress				C	lima	atic/C	hen	nical				E	MI
				⊃⊏ Ratin	ıg)			N	l <sub>2</sub>					M,			l <sub>2</sub>	l <sub>3</sub>			С	, '2					C,	3		E <sub>2</sub>	E
LEGEND:  • = Acceptable for use in Environment  x = Not Acceptable	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.					100 ms-1	7mm/20ms-1	300N	JN/150mm	100		250 ms-1	15mm/50 ms-1		SOJ				-25°C to +70°C	1,0 °C/min		< 5,0 ppm			-40°C to +70°C	3,0 °C/min	20 W/m²	< 500 ppm			
for use in Environment  - Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	М	I	С	E	shock	vibration	*Tensile Connected	compression	impact resistance	torsion	shock	vibration	*Tensile Connected	compression impact resistance	torsion	IP 54/65	IP 67	operation temp.	temp. change	sun radiation	oil resistance	res. liquid chemicals	res. gaseous agents	operation temp.	temp. change	sun radiation	oil resistance res. liquid chemicals	res. gaseous agents		
Part Number	Product Description																														
Fiber Distribution																															
Fiber Connectivit IAEF7JMA	ty IndustrialNet™ LC Duplex Fiber Optic Bulkhead Adapter.	_	3	2	3							•	•	-	•	•		•	-20	•		•	С	С							•
Fiber Patch Cord																															
IAEF617P-7PM**	Industrial LC to LC multimode duplex patch cord – 62.5/125µm.	3	3	2	3							•	•	-	•	•		•	-20	•		•	С	С			•				•
IAEF617P-NM**	Industrial LC to pigtail multimode duplex pigtail – 62.5/125μm.	3	3	2	3							•	•	-	•	•		•	-20	•		•	С	С			•				•
	Alicro Data Center																														
MDC48D	Pre-configured micro data center, 24 RU, includes two side panels, network cabling, patch panels, cable management, grounding, casters, shock pallet and ramp.	-	1	С	2	_	-	-	-	-	-						x		х	х	х	х	х	х						•	
MDC79	Pre-configured micro data center, 42 RU, includes two side panels, network cabling, patch panels, cable management, grounding, and casters.	-	1	С	2	_	_	-	_	-	_						х		х	х	х	х	х	х						•	
MDC79D	Pre-configured micro data center, 42 RU, includes two side panels, network cabling, patch panels, cable management, grounding, casters, shock pallet and ramp.	-	1	С	2	_	_	_	_	_	_						x		х	х	х	х	х	х						•	
MDC82NL	NEMA Type 12, IP55, single hinge front door with windowed glass, single hinge rear door, solid side panel (1), side panel with cutout for 20k BTU AC (1), 42 RU, network cabling, patch panels, cable management, grounding, and casters. Color Light Gray. Dimensions: 78.7" H x 27.6" W x 47.2" D (2000mm x 700mm x 1200mm).	1	2	1	2	х	x	_	_	x	_						•		х	х	х	x	х	х						•	
Pre-Configured In	ndustrial Distribution Frames																														
ZDF242430	Pre-configured industrial distribution frame enclosure, 12U, ready for two access or two distribution switches.	_	2	С	-	_	_	_	_	_	_						•		х	•	•	•	•	•						-	
ZDF242430-6	Pre-configured industrial distribution frame enclosure, 12U, 316 stainless steel, ready for two access or two distribution switches.	_	2	С	-	_	-	_	-	-	-						•		х	•	•	•	•	•						-	
ZDF48-RA	Pre-configured industrial distribution frame enclosure ready for two access and two distribution switches.	-	2	С	-	-	-	_	-	-	-						•		х	•	•	•	•	•						-	
ZDF48-6RA	Pre-configured industrial distribution frame enclosure, 316 stainless steel, ready for two access and two distribution switches.	-	2	С	-	-	-	_	-	-	-						•		х	•	•	•	•	•						-	
ZDF24-S24	Universal distribution frame 12U for two industrial switches, fiber tray, (1) 48-port patch panel, (1) 4U DIN mount bracket, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	С	_	_	_	_	-	-	-						•		х	•	•	•	•	•						-	
ZDF24-S25	Universal distribution frame 12U for two industrial switches, fiber tray, (1) 48-port patch panel, (1) 4U DIN mount bracket, (1) Maintenance-free UPS, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	С	_	_	_	_	_	_	_						•		х	•	•	•	•	•						-	
ZDF24-624	Universal distribution frame 12U for two industrial switches, 316 Stainless steel enclosure, fiber tray, (1) 48-port patch panel, (1) 4U DIN mount bracket, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	С	_	_	_	_	-	_	_						•		х	•	•	•	•	•						-	
ZDF24-625	Universal distribution frame 12U for two industrial switches, 316 Stainless steel enclosure, fiber tray, (1) 48-port patch panel, (1) 4U DIN mount bracket, (1) Maintenance-free UPS, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	С	_	_	_	-	-	-	-						•		х	•	•	•	•	•						-	
ZDF24-S45	Universal distribution frame 12U for four industrial switches, fiber tray, (2) 48-port patch panel, (2) 4U DIN mount bracket, (2) Maintenance-free UPSs, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	С	_	_	_	-	_	_	_						•		х	•	•	•	•	•						-	

<sup>\*\*\*</sup>Available in multiple colors and lengths.

<sup>\*\*\*\*</sup>Available in muliple colors and fiber counts.

															D	etail	led M	ICE I	Ratir	ng									
									ı	/lech	anic	al				Ing	ress				Cli	mati	c/Ch	emic	al				ЕМІ
			MICI al Ra		1)			M <sub>2</sub>					M			П	l <sub>3</sub>			C <sub>2</sub>					(	) <sub>3</sub>		F	E <sub>2</sub> E <sub>3</sub>
LEGEND:  • = Acceptable for use in Environment	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.				100 me-1	7mm/20ms-1		1/150mm			250 ms-1	15mm/50 ms-1		0N/150mm		-2	-3	-25°C to +70°C	1,0 °C/min	See C3			-40°C to +70°C	3,0 °C/min	1120 W/m²	200 ppm			2 -3
x = Not Acceptable					Ş	2 2	ଞ	÷	10		25	15	N	220				42	7,	S ,	,		4	3,0	Ξ	٧			
for use in Environment  -= Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	M	1 (	С	E Your	vibration	*Tensile Connected	compression	impact resistance	torsion	shock	vibration	*Tensile Connected	compression impact resistance	torsion	IP 54/65	IP 67	operation temp.	temp. change	sun radiation	res. liquid chemicals	res. gaseous agents	operation temp.	temp. change	sun radiation	oil resistance	res. Ilquid cnemicais		
Part Number	Product Description																												
Pre-Configured In	dustrial Distribution Frames (continued)																												
ZDF48-S64	Universal distribution frame 26U for six industrial switches, fiber tray, (3) 48-port patch panels, (3) 4U DIN mount brackets, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	_	2	c ·		-   -	-   -	-   -	-   -	-						•		х	•	•	•	•						-	-
ZDF48-S65	Universal distribution frame 26U for six industrial switches, fiber tray, (3) 48-port patch panels, (3) 4U DIN mount brackets, (3) Maintenance-free UPSs, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	_	2	c ·		-   -	-   -	-   -	-   -	-						•		х	•	•	•	• (						-	-
ZDF48-664	Universal distribution frame 26U for six industrial switches, 316 Stainless steel enclosure, fiber tray, (3) 48-port patch panels, (3) 4U DIN mount brackets, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	c ·		-   -	-   -	-   -	-   -	_						•		х	•	•	•	•						-	-
ZDF48-665	Universal distribution frame 26U for six industrial switches, 316 Stainless steel enclosure, fiber tray, (3) 48-port patch panels, (3) 4U DIN mount brackets, (3) Maintenance-free UPSs, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	-	2	c ·	-	-   -	-   -	-	-   -	_						•		х	•	•	•	•						-	-
ZDF48-S85	Universal distribution frame 26U for eight industrial switches, fiber tray, (4) 48-port patch panels, (4) 4U DIN mount brackets, (4) Maintenance-free UPSs, redundant supplies AC to DC, terminal blocks, wiring for 120 V AC input.	_	2	c ·		-   -	-   -	-   -	-   -	-						•		х	•	•	•	• (	•					-	-
Network Zone Sys	stem																												
	res – Category 6A Connectivity and Fiber Uplink Patch Cords and Adapto	rs									ı																		
Z22C-SS	Pre-configured network zone system, 24" x 24", mild steel enclosure, for two industrial switches, includes (8) Category 6A STP copper patch cords and jacks, (2) MM LC fiber patch cords with (6) LC adaptors, backplane and cable management.	-	2	С	2 -	- -	_   -	-   -	-   -	-						•		x	•	•	•	•						1	•
Z22U-S14S	Universal network zone system, 24" x 24", mild steel enclosure, for one industrial switch, includes (8) Category 6A STP copper patch cords and jacks, (2) MM LC fiber uplink patch cords with (6) adaptors and redundant power supplies.	_	2	С	2 -	-   -	_   -	-   -	-   -	_						•		х	•	•	•	•	)					·	
Z22U-S15S	Universal network zone system, 24" x 24", mild steel enclosure, for one industrial switch, includes (8) Category 6A STP copper patch cords and jacks, (2) MM LC fiber uplink patch cords with (6) adaptors, redundant power supplies and maintenance-free UPS.	_	2	С	2 -	- -	_   -	-   -	-   -	-						•		x	•	•	•	•	•						•
	res – Category 6 Connectivity and Fiber Uplink Patch Cords and Adaptor	S																											
Z22C-S	Pre-Configured network zone system, 24" x 24", mild steel enclosure, for two industrial switches, includes (8) Category 6 UTP copper patch cords and jacks, (2) MM LC fiber patch cords with (6) LC adaptors, backplane and cable management.	_	2	С	1 -	-   -	_   -	-   -	-   -	-						•		x	•	•	•	•						;	x
Z22U-S14	Universal network zone system, 24" x 24", mild steel enclosure, for one industrial switch, includes (8) Category 6 UTP copper patch cords and jacks, (2) MM LC fiber uplink patch cords with (6) adaptors and redundant power supplies.	_	2	С	1 -	-   -	-   -	-   -	-   -	-						•		х	•	•	•	•						,	x
Z22U-S15	Universal network zone system, 24" x 24", mild steel enclosure, for one industrial switch, includes (8) Category 6 UTP copper patch cords and jacks, (2) MM LC fiber uplink patch cords with (6) adaptors, redundant power supplies and maintenance-free UPS.	_	2	С	1 -	-   -	_   -	-   -	-   -	_						•		х	•	•	•	•						2	x

(continued)

																De	etaile	d MI	CE F	atin	g								
			MIC	-						Me	echa	nica	ı				Ingr	ess				Cli	mat	ic/Ch	emic	cal			EMI
		(Fir	nal R	_	g)			M	2					M <sub>3</sub>			l <sub>2</sub>	l <sub>3</sub>			C,					(	C <sub>3</sub>	ī	E <sub>2</sub> E
LEGEND:  • = Acceptable for use in Environment  x = Not Acceptable	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.					100 ms-1	7mm/20ms-1		N/150mm	107		250 ms-1	15mm/50 ms-1	200N/150mm	301				-25°C to +70°C	1,0 °C/min	See C3	< 5,0 ppm		-40°C to +70°C	3.0 °C/min	1120 W/m²	< 500 ppm		
for use in Environment  - = Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	M	1	С	Е	shock	vibration	*Tensile Connected	compression	impact resistance	torsion	shock	vibration *Torill Connected	compression	impact resistance	torsion	IP 54/65	IP 67	operation temp.	temp. change	sun radiation	oil resistance	ies. Ilduid Cilellicais	operation temp.	temp. change	sun radiation	oil resistance	res. gaseous agents	
Part Number	Product Description																												
Network Zone Syste	· · · · · · · · · · · · · · · · · · ·																												
24" x 36" Enclosures Z23U-S24S	s – Category 6A Connectivity and Fiber Uplink Patch Cords and Adapte Universal network zone system, 24" x 36", mild steel enclosure,	ors																											
Z23U-3243	for two industrial switches, includes (16) Category 6A STP copper patch cords and jacks, (4) MM LC fiber uplink patch cords with (6) adaptors and redundant power supplies.	-	2	С	2	_	_	_	_	_	_						•		х	•	•	•	•	•					•
Z23U-S25S	Universal network zone system, 24" x 36", mild steel enclosure, for two industrial switches, includes (16) Category 6A STP copper patch cords and jacks, (4) MM LC fiber uplink patch cords with (6) adaptors, redundant power supplies and (2) maintenance-free UPS.	_	2	С	2	_	-	-	_	_	_						•		x	•	•	•	•	•					•
24" x 36" Enclosures	s - Category 6 Connectivity and Fiber Uplink Patch Cords and Adaptor	9																											
Z23C-S	Pre-Configured network zone system, 24" x 36", mild steel enclosure, for two industrial switches, includes (16) Category 6 UTP copper patch cords and jacks, (4) MM LC fiber patch cords with (6) adaptors, backplane and cable management.		2	С	1	-	-	_	-	_	_						•		х	•	•	•	•	•				;	x
Z23U-S24	Universal network zone system, 24" x 36", mild steel enclosure, for two industrial switches, includes (16) Category 6 UTP copper patch cords and jacks, (4) MM LC fiber uplink patch cords with (6) adaptors and redundant power supplies.	_	2	С	1	_	-	_	_	_	_						•		х	•	•	•	•	•					x
Z23U-S25	Universal network zone system, 24" x 36", mild steel enclosure, for two industrial switches, includes (16) Catetory 6 UTP copper patch cords and jacks, (4) MM LC fiber uplink patch cords with (6) adaptors, redundant power supplies and (2) maintenance-free UPS.	_	2	С	1	_	_	_	_	_	_						•		x	•	•	•	•	•					x

			,												D	etaile	ed M	ICE F	Ratin	g									
			MICE						М	lecha	anica	al				Ingr	ess				Cli	matic	/Che	mic	al				EMI
			al Ra				N	1,					M <sub>3</sub>			l <sub>2</sub>	l <sub>3</sub>			C <sub>2</sub>					C	<b>)</b> 3		E	_ E <sub>3</sub>
LEGEND:  • = Acceptable for use in Environment  x = Not Acceptable	NOTE: In the case a lower MICE rated part is needed to be used in a higher MICE rated environment please contact Tech Support for further guidance on the application.				100 ms-1	7mm/20ms-1	300N	N/150mm	101		250 ms-1	15mm/50 ms-1	2	2200N/150mm				-25°C to +70°C	1,0 °C/min		midd o 'c >		-40°C to +70°C	3,0 °C/min		< 500 ppm			
for use in Environment  - = Not Applicable  c = Contact Tech Support	*Tensile Connected: This aspect of environmental classification is installation specific and should be considered in association with IEC 61918 and the appropriate component specification. The 300 and 500 N numbers were used as a reference to differentiate the levels.	М	1 (	E	shock	vibration	*Tensile Connected	compression	impact resistance	torsion	shock	vibration	*Tensile Connected	compression impact resistance	torsion	IP 54/65	IP 67	operation temp.	temp. change	sun radiation	oli resistance res. liquid chemicals	res. gaseous agents	operation temp.	temp. change	sun radiation	oil resistance	res. liquid chemicals	res. gaseous agents	
Part Number	Product Description																												
DIN Rail Mount and FDME8RG	Fiber Uplink Kits IndustrialNet™, 8-port, DIN Rail Fiber Optic Enclosure.																												
CADIN1*	1-port, DIN rail mount adapter with label.	7		3	_	Х	_	Х	Х	_						Х		X	Х	X	Х	X							•
CDPP8RG	IndustrialNet™ 8-Port DIN Rail Mount Copper Patch Panel, RG.	-	1 -		-	-	_									Х			_										
	· · · · · · · · · · · · · · · · · · ·	-	-   1	1	Х	Х	-	Х	Х	_						_		Х	Х	X	Х	K X						Х	4
IAEFKSC	Industrial Ethernet enclosure fiber uplink kit – SC to MT/RJ.		2	-	-	-	-	_	_	-						•		Х	-	- -	- -							-	
IAEFKSP	Industrial Ethernet enclosure fiber uplink splice kit – MT-RJ or SC.	-	2 1	I   -	-	-	-	_	_	_						•		Х	-	- -	- -	-   -						-	- •
UPS003LSM	Uninterruptible Power Supply (UPS), 100 Watts, 24-48 VDC in/out, DIN rail mount.  UPS load sense module.	1	1 1	ı –	-   -	-	_	_	_	-						-		-	-	_ -	_	-   -						-	-
		1	1 1	-	-	-	-	_	_	_						_		-	-	- -		-   -							
Data Access Port an	Category 5e, IndustrialNet™ Data Access Port.	_	2 1	ı –	- x	х	-	х	х	-						х		х	х	x	х	x x						_	-
IAPHF2MWH-X	Mini-Com®, 2-Position 1/3-Size Insert for use with IndustrialNet™ Data Access Port.	_	- -	-   -	-	-	-	_	_	-						-		-	-	- -	- -							-	
IAPCMBWH-X	Mini-Com®, 1-port, Blank Module Insert for use with IndustrialNet™ Data Access Port.	_	- -	- -	-	-	-	-	-	-						-		-	-	_   -	- -	-   -						-	
IAPHB2MWH-X	Mini-Com®, 1/3-size, Flat Insert, for use with IndustrialNet™ Data Access Port.	1	1 1	1 1	х	х	-	х	х	-						х		х	х	X	х	x x						X	
IAPHD15HDCWH	15-pin, high-density female/female D-subminiature coupler, 1/3-size insert, for use with IndustrialNet" Data Access Port.	1	1 1	1 1	х	х	_	х	х	-						х		х	х	X	х	x x						X	
IAPHD15HDSCWH	15-pin, high-density, field terminated, D-subminiature Coupler in 1/3-size insert, for use with IndustrialNet** Data Access Port.	1	1 1	1 1	Х	Х	-	Х	Х	-						Х		Х	х	X	х	x x						х	
IAPHD9CWH	9-pin, female/female, D-subminiature coupler in 1/3-size insert, for use with IndustrialNet <sup>™</sup> Data Access Port.	1	1 1	1 1	Х	Х	-	Х	Х	_						Х		Х	Х	X	х	X						X	
Faceplates IAEFP1	Vertical, stainless steel, single gang faceplate accepts one IndustrialNet™																												
	Bulkhead Connector or Adapter.	-	3 -	- -	-	-	-	_	_	-							•	-	-	- -	- -	- -							
IAEFP2-2G	Vertical, stainless steel, double gang faceplate accepts two IndustrialNet™ Bulkhead Connectors or Adapters.	-	3 -	-   -	-	-	-	-	_	_							•	-	-	-   -	- -							-	
Zone Cabling Acces																													
PZNDVK	Zone cabling drain and vent kit, NEMA 4X rating.	-	3 -	-   -	-   -	-	-	-	_	-							•	-	-	_   -	-   -	-   -						-	-
PZNF1	Zone cabling compression fitting, NEMA 6P cable diameter 0.115-0.250" (2.92mm-6.4mm).	_	2 -	-   -		-	-	_	_	_						•		-	-	_   -	-   -							-	
PZNF2	Zone cabling compression fitting, NEMA 6P cable diameter 0.230-0.395" (6.4mm-10mm).	_	2 -	-   -		-	-	-	_	-						•		-	-	_   -	-   -	-   -						-	-
PZNF3	Zone cabling compression fitting, NEMA 6P cable diameter 0.170-0.450" (4.3mm-11.4mm).	_	2 -	-   -	-	-	-	_	_	_						•		-	-	_   -	-   -	-   -						-	-

 $<sup>{}^*\</sup>mbox{Available in multiple colors}.$ 

