

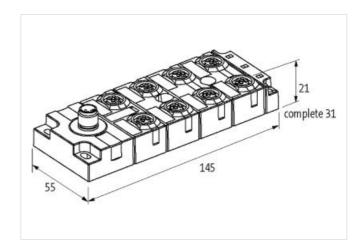
## Tree 8TX IP67 Metal - Unmanaged Switch - 8xM12

8 port unmanaged switch Connection cables are in the online shop under "Connection Technology".

## Link to Product

Illustration





Product may differ from Image



Commercial data	
ECLASS-6.0	19170106
ECLASS-6.1	19170106
ECLASS-7.0	19170106
ECLASS-8.0	19170106
ECLASS-9.0	19170402
ECLASS-10.1	19170402
ECLASS-11.1	19170402
ECLASS-12.0	19170402
ETIM-5.0	EC000734
customs tariff number	85176200
GTIN	4048879536509
Packaging unit	1
Electrical data   Supply	
Operating voltage DC min.	9 V
Operating voltage DC max.	30 V
Industrial communication	
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet f	unctionality
Auto-crossover	yes
Auto-negotiation	yes
duplex	Full duplex
Switch type	unmanaged
VLAN unmanaged (IEEE 802.1Q)	yes

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

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DiagnosticNo voltageEEP deproyEthernet connection/data trafficDevice protection [Electrics][P67Mechanical data [Material dataCoating fnousingNickeledMaterial housingNickeledMaterial housingCinc die-castingMaterial housing4 hole screw mountingHeight145 mmSuitable for mounting type4 hole screw mountingHeight145 mmOperating temperature min.25 °COperating temperature min.60 °COperating temperature min.60 °COperating temperature min.60 °CStorage temperature max.80 °CConnection type 14.7Connection type 2PowerMouning methodinserted, screwedStorage temperature max.60 °CConnection type 14.7Connection type 2PowerMouning methodinserted, screwedStorage temperature max.6.8 NmFamily construction formM12Gondor10 +No. of poles4Pin 110 +Pin 1D -Fin 10M2GondorM2Color contact carrierMackColor contact carrierMackColor contact carrierMackPin 2VD -Pin 3D -Pin 4VD CUB 1)Pin 44V DC (UB 1)Pin 4VD CUB 2)Pin 4VD CUB 2)Pin 4VD CUB 2)Pin	Diagnostics	
LED display     Ethemet connection/data traffic       Device protection   Electrical       Degree of protection (EN IEC 60529)     IP67       Mechanical data   Material data     Image: I	Alarm contact	no
Device of protection   ElectricalDegree of protection (EN EC 60529)IP67Mochanical datal Material housingMockedCating housingMockedMaterial housingXon dise-assingMochanical datal   Mounting dataSuitable for mounting type4 hole screew mountingHelght45 mmOperating topperature min.55 mmOperating topperature min.40° COperating tomperature min.60 °COperating tomperature min.60 °COperating tomperature min.60 °CStorage tomperature min.60 °COperating tomperature min.60 °CConnection type 2PowerConnection type 170 °CStorage tomperature min.60 °CConnection type 2PowerConnection type 2PowerMounting mothodInserted, screwoidMounting mothod6.8 NmCaling tomperature min.6.9 °CConnection type 30Operating tomperature min.9.0 °CStorage tomperature min.6.9 °CConnection type 2PowerConnection type 310 °CStorage tomperature min.10 °CStorage tomperature min.10 °CStorage tomperature min.10 °CStorage tomperature min.10 °CConnection type 410 °CPin 110 °CStorage tomperature min.10 °CStorage tomperature min.10 °CStorage tomperature min.10 °CStorage tomper	Diagnostic	No voltage
Degree of protection (EN IEC 80529)IP67ModelecatingVolvelecatingConting housingNickeledMaterial housing datZinc diceastingMaterial housing dataHole screw mountingMaterial housing total (Mounting data145 mmWidth55 mmDopph31 mmEnvironmental characteristics [Climatic	LED display	Ethernet connection/data traffic
Mechanical data   Material dataCoaling housingNickeledMaterial housing dataZinc die castingMechanical data   Mounting dataHole screw mountingBuitable for mounting type4 hole screw mountingHaight145 mmWath145 mmBuitable for mounting type3 mmDepting31 mmEnvironmental characteristics   ClimaticDoperating temperature min.25 °COperating temperature max.60 °CStorage temperature max.80 °COperating temperature max.80 °CConnection type 2VoConnection type 34/7Connection type 49 °CConnection type 49 °CConnection type 59 °CConnection type 66 NmFarrily construction formM12GenderfemaleColor contact carrierblackColor contact carrier <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Coating housingNickeledMaterial housingZinc die-castingMechanical data   Mounting dataMaterial housing type4 hole screw mountingHeight145 mmWidth55 mmDepth31 mmDepth31 mmOperating temperature min.45 °COperating temperature max.60 °CStorage temperature max.60 °CStorage temperature max.60 °CStorage temperature max.60 °COperating temperature max.60 °CStorage temperature max.60 °CStorage temperature max.60 °CConnection type 14.7Connection type 16.5 NmStorage temperature max.60 °CStorage temperature max.60 °CConnection type 16.5 NmConnection type 16.6 NmStorage temperature max.60 °CGenderfemaleConnection type 20.6 NmStorage temperature max.10 × CStorage temperature max.10 × CStor	Degree of protection (EN IEC 60529)	IP67
Material housing     Zinc die-casting       Mechanical data   Mounting data     Image: Construct of Construc	Mechanical data   Material data	
Mechanical data   Mounting dataSuitable for mounting type4 hole screw mountingHeight145 mmWidth55 mmDepth31 mmEnvironmental characteristics   ClimaticDyreating temperature min25 °COperating temperature max.60 °CStorage temperature max.80 °CConcection type 20°CConnection type 14.7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmEarding compared tor minM12GenderfemaleContact carrierDackColor contact carrierDackColor contact carrierD0 °CPIN 2RD +PIN 4ND -Storage temperature max.B0 °CStorage temperature max.0.6 NmStorage temperature max.0.6 NmStorage temperature for pace0.6 NmContact carrierDackColor contact carrierDackColor contact carrierRD +PIN 4RD -Storage temperature for paceSocialColor contact carrierBackColor contact carrierBack <td>Coating housing</td> <td>Nickeled</td>	Coating housing	Nickeled
Suitable for mounting type4 hole screw mountingHeight145 mmWidth55 mmDepth31 mmEnvironmental characteristics   ClimatureUnperating temperature min25 °COperating temperature min25 °CStorage temperature max.60 °CStorage temperature max.80 °CConnection type 1-40 °CStorage temperature max.80 °CConnection type 290 °CMounting methodisserted, screwedConnection type 290 °CConstruction formM12Gender6.6 kmFamily construction formM12Gold construction formM12Color contact carrierIslackPiN 1TD +PiN 2RD +PiN 3TD -PiN 4RD -Family construction formM12GendermaleColor contact carrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackColor contact carrierIslackColor contact carrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslackContage tarrierIslack <trr>Contage ta</trr>	Material housing	Zinc die-casting
Height     145 mm       Width     55 mm       Dopth     31 mm       Environmental characteristics   Climatic       Environmental characteristics   Climatic       Operating temperature min.     40 °C       Storage temperature max.     80 °C       Storage temperature max.     80 °C       Connection type 1     4-7       Connection type 1     4-7       Connection type 2     Power       Mounting method     inserted, screwed       Tightening torque     0.6 Nm       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 4     RD -	Mechanical data   Mounting data	
Height     145 mm       Width     55 mm       Dopth     31 mm       Environmental characteristics   Climatic       Environmental characteristics   Climatic       Operating temperature min.     40 °C       Storage temperature max.     80 °C       Storage temperature max.     80 °C       Connection type 1     4-7       Connection type 1     4-7       Connection type 2     Power       Mounting method     inserted, screwed       Tightening torque     0.6 Nm       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 4     RD -	Suitable for mounting type	4 hole screw mounting
Depth31 mmEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.60 °CStorage temperature max.80 °CStorage temperature max.80 °CConnection type 14-7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmFamily construction formM12GenderfemaleColor contact carrierblackCodingDNo. of poles4PIN 1TD +PIN 2RD -Family construction formM12GenderRD -PIN 3TD -PIN 4RD -Family construction formM12GenderRD -PIN 3TD -PIN 4RD -Family construction formM12GendermaleColor contact carrierblackColor contact carrierblack <td>Height</td> <td></td>	Height	
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     60 °C       Storage temperature max.     80 °C       Connection type 2     0°C       Connection type 1     4-7       Connection type 2     Power       Connection type 2     Power       Mounting method     inserted, screwed       Tightening torque     0,6 Nm       Family construction form     M12       Gender     female       Coloristic carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       Family construction form     M12       Gender     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black	Width	55 mm
Operating temperature min.:25 °COperating temperature max.60 °CStorage temperature min.:40 °CStorage temperature max.80 °CConnection type 1Connection type 1:4-7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmFamily construction formM12GenderfemaleColor cottact carrierblackColor cottact carrierblackPIN 1TD +PIN 2RD -Family construction formM12GenderGnoetion type 1Color cottact carrierblackColor cottact carrierblackColor cottact carrierblackCodingDNo. of polesRD -FIN 3TD -PIN 4RD -Color contact carrierblackCodingANo. of poles5Family construction form142PIN 124 V DC (UB 1)PIN 224 V DC (UB 2)PIN 30 V	Depth	31 mm
Operating temperature min.:25 °COperating temperature max.60 °CStorage temperature min.:40 °CStorage temperature max.80 °CConnection type 1Connection type 1:4-7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmFamily construction formM12GenderfemaleColor cottact carrierblackColor cottact carrierblackPIN 1TD +PIN 2RD -Family construction formM12GenderGnoetion type 1Color cottact carrierblackColor cottact carrierblackColor cottact carrierblackCodingDNo. of polesRD -FIN 3TD -PIN 4RD -Color contact carrierblackCodingANo. of poles5Family construction form142PIN 124 V DC (UB 1)PIN 224 V DC (UB 2)PIN 30 V	Environmental characteristics   Climatic	
Operating temperature max.60 °CStorage temperature min40 °CStorage temperature max.80 °CConnection type 14-7Connection type 2PowerMounting methodinserted, screwedTightening torque0,6 NmFamily construction formM12GenderfemaleColor cottact carrierblackCodingDNo. of poles4PIN 1TD +PIN 4RD -Family construction formM12Gendercolor contact carrierblackcolor contact carrierColor contact carrierblackCodingDNo. of poles4PIN 1TD +PIN 2RD +PIN 3TD -PIN 4RD -Family construction formM12GendermaleColor contact carrierblackDiometon formM12PIN 4RD -Family construction formM12PIN 4RD -Family construction formM12GendermaleColor contact carrierblackCodingANo. of poles5PIN 124 V DC (UB 1)PIN 224 V DC (UB 2)PIN 30 VPIN 40 V		-25 °C
Storage temperature min40 °CStorage temperature max.80 °CConnection type 2Connection type 14-7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmFamily construction formM12GenderfemaleColor contact carrierblackCodingDPIN 1TD +PIN 2RD +PIN 3TD -Family construction formM12GenderGenderCodingDNo. of poles4PIN 1TD +PIN 2RD +Family construction formM12GendermaleColor contact carrierblackPIN 4RD -PIN 4RD -Family construction formM12Color contact carrierblackColor contact carrierbl		
Storage temperature max. 80 °C   Connection type 2    Connection type 1 4-7   Connection type 2 Power   Mounting method inserted, screwed   Tightening torque 0,6 Nm   Family construction form M12   Gender female   Color contact carrier black   Coding D   No. of poles 4   PIN 1 TD +   PIN 2 RD +   Family construction form M12   Gender male   Color contact carrier black   Coding D   No. of poles 4   PIN 1 TD +   PIN 2 RD -   Family construction form M12   Gender male   Color contact carrier black   Color poles 5   PIN 1 24 V DC (UB 1)   PIN 2 24 V DC (UB 2)   PIN 3 0 V		-40 °C
Connection type 14-7Connection type 2PowerMounting methodinserted, screwedTightening torque0.6 NmFamily construction formM12GenderfemaleColor contact carrierblackCodingDNo. of poles4PIN 1TD +PIN 2RD +PIN 3TD -PIN 4RD -Family construction formM12GenderBiackCodingDNo. of poles4PIN 1D +PIN 2RD +PIN 3TD -PIN 4RD -Family construction formM12GendermaleColor contact carrierblackColor contact carrierblackCodingANo. of poles5PIN 124 V DC (UB 1)PIN 2Q V UC (UB 2)PIN 30 V	Storage temperature max.	80 °C
Answission     Power       Mounting method     inserted, screwed       Tightening torque     0,6 Nm       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     D +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       PIN 1     D +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V	Connection type 2	
Connection type 2     Power       Mounting method     inserted, screwed       Tightening torque     0,6 Nm       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       Family construction form     M12       Gender     RD -       Family construction form     M12       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V	Connection type 1	4-7
Tightening torque     0,6 Nm       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     RD +       PIN 3     TD -       PIN 4     RD -       Gender     Male       Color contact carrier     black       Color contact carrier     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V	Connection type 2	Power
Family construction form     M12       Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Color contact carrier     black       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V	Mounting method	inserted, screwed
Gender     female       Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Color contact carrier     black       PIN 1     S       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V	Tightening torque	0,6 Nm
Color contact carrier     black       Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Coling     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     4V DC (UB 2)       PIN 3     0 V	Family construction form	M12
Coding     D       No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Coling     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     0 V       PIN 3     0 V	Gender	female
No. of poles     4       PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     0 V       PIN 3     0 V	Color contact carrier	black
PIN 1     TD +       PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V	Coding	D
PIN 2     RD +       PIN 3     TD -       PIN 4     RD -       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     0 V       PIN 4     0 V	No. of poles	4
PIN 3   TD -     PIN 4   RD -     Family construction form   M12     Gender   male     Color contact carrier   black     Coding   A     No. of poles   5     PIN 1   24 V DC (UB 1)     PIN 2   24 V DC (UB 2)     PIN 3   0 V     PIN 4   0 V	PIN 1	
PIN 4RD -Family construction formM12GendermaleColor contact carrierblackCodingANo. of poles5PIN 124 V DC (UB 1)PIN 224 V DC (UB 2)PIN 30 VPIN 40 V		
Family construction formM12GendermaleColor contact carrierblackCodingANo. of poles5PIN 124 V DC (UB 1)PIN 224 V DC (UB 2)PIN 30 VPIN 40 V		
Gender     male       Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V		
Color contact carrier     black       Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V		
Coding     A       No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V		
No. of poles     5       PIN 1     24 V DC (UB 1)       PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V		
PIN 1 24 V DC (UB 1)   PIN 2 24 V DC (UB 2)   PIN 3 0 V   PIN 4 0 V		
PIN 2     24 V DC (UB 2)       PIN 3     0 V       PIN 4     0 V		
PIN 3     0 V       PIN 4     0 V		
PIN 4 0 V		
	PIN 5	PE

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