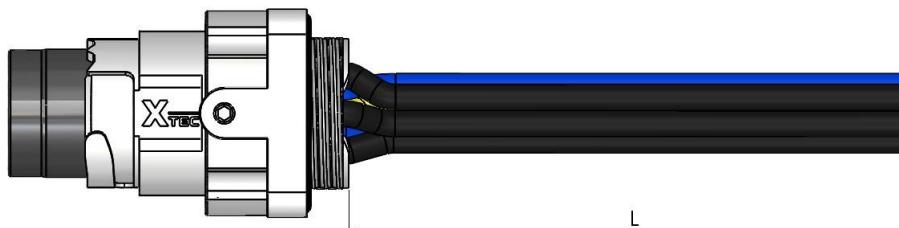


## 1 Datasheet X-TEC 15M Flange-Male 4x1,5



source

destination

xxxxx (see order no:) stands for the length in cm.


## 2 Application

Connection of 3-phase consumers

## 3 General component properties

### 3.1 Cataloguing

DESIGNATION	VALUE	UNIT
product designation of manufacturer	X-TEC 15	
Manufacturer Article Number	1135006	
Application standards	PERFORMANCE	
UL Mark	UL Listed	
eCl@ss 9.0	27-44-03-90	
country of origin	DE	

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24.08.2023-RSP	Rated current main wires *	9.0		Designation	<b>Datasheet</b>	
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### 3.2 Electrical properties

DESIGNATION	VALUE	UNIT
rated current	13	A
rated voltage	600	V AC
rated impulse voltage	6	kV
shielded	Yes	
protective conductor connection	according to VDE 0627	
Overvoltage category according to DIN EN 60664-1	3	
Plugging under voltage according to DIN EN 61984	No	
degree of contamination	3	
protective conductors	yes (PE) 1,2mm leading	
neutral conductor	No	
Degree of protection by encapsulation according to IEC 60529	No	
Reference to standard	DIN EN 61984 / IEC 61076-2-116	

If the plug connection is disconnected for an indefinite period of time from a exposed to industrial atmospheres, the contact chamber is equipped with a cover cap to protect against pollution.

\*To determine max. load currents, deratings for used connection conductor cross-sections as well as reduction factors for conductors, cables and lines in the electrical equipment of machines according to DIN EN 60204-1 must be taken into account.

### 3.3 Weights

DESIGNATION	VALUE	UNIT
Electrical connection	80	g/m
Connector Source	53,9	g


### 3.4 Approval

DESIGNATION	VALUE	UNIT
UL.CCN **	PVVA.E486020	
CSA.CCN **	PVVA7.E486020	
CCC	No	
GOST-R	No	
CE Nomenclature	X-TEC 15M-FCS-XXX-416XX-XX-WX	

#### 3.4.1 Approvals Supplements

\*\* Suitable For Use On a Circuit Capable Of Delivering Not More Than 5,000 rms Symmetrical Amperes, 600V Maximum.

When Protected by Time Delay (See Table Below) Class Fuses:

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24.08.2023-RSP	Rated current main wires *	9.0		Designation	<b>Datasheet</b>	
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Cat. No(s).	Time Delay (TD) /Non-time delay (NTD)	Fuse Class	Fuse Current Rating (A)	SCCR (kA)	Voltage V AC
All rated 13 A	TD	RK5	25	5	600
	TD	J	60	50	600
	TD	CC	30	50	600
All rated 16 A	TD	RK5	35	5	600
	TD	J	60	50	600
	TD	CC	30	50	600

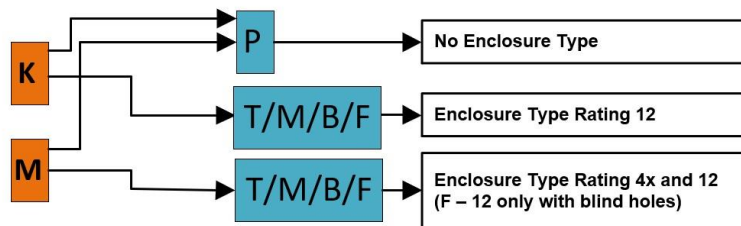
Suitable For Use On A Circuit Capable Of Delivering Not More Than 50kA rms Symmetrical Amperes, 480 Vac Maximum, When Protcted By A Circuit Breaker Rated Not More Than 16A, Having An Interrupting Rating Not Less Than 50kA rms Symmetrical Amperes, 480Vac Maximum.

Circuit Breakers:

Cat. No(s).	Model/Type	Manufacturer / UL File	Current Rating (A)	SCCR (kA)	Voltage V AC
All	Any	Any / Any	16	50	480Y/277 Vac

### 3.4.2 Enclosure Type Rating


X - T E C 1 5 - - - X X X ...



X - T E C 1 5 - X X X - - -

### 3.5 Thermal properties

DESIGNATION	VALUE	UNIT
Max. operating temperature	90	°C
Fixed temperature range (LLT-ULT)	-35 ... +90	°C

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24.08.2023-RSP	Rated current main wires *	9.0		Designation	<b>Datasheet</b>	
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### 3.6 UL Ratings

DESIGNATION	VALUE	UNIT
Reference to UL standard	2237	
max. connectable conductor size (AWG/KCMIL)	16	AWG
Auxiliary wires Wire gauge	-	AWG
Enclosure Type Rating	4X, 12	
flame-resistant (in accordance with UL94)	HB	

### 3.7 Other features

DESIGNATION	VALUE	UNIT
RoHS compliant	2011/65/EU under exception III 6c	
REACH SVHC substances	Lead (CAS 7439-92-1, EC 231-100-4)	
halogen-free	No	
oil and grease resistant	Yes	
flame-resistant	Yes	

The material of the housing-encapsulation is plastic and has a good resistance to chemicals and oil. If aggressive media are used, the material resistance must be checked in relation to the application. Further details on request.

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## 4 General structure

### 4.1 Allocation plan

1		BK1	1,5 mm <sup>2</sup>
2		BK2	1,5 mm <sup>2</sup>
3		BK3	1,5 mm <sup>2</sup>
		GN-YE	1,5 mm <sup>2</sup>

### 4.2 electrical assembly

DESIGNATION	VALUE	UNIT
Main wires number	4	
max. connectable conductor cross-section	1,5	mm <sup>2</sup>
External cable diameter, max.	3,1	mm
coat colour main wires	black/green-yellow	
Identification of main wires	consecutive number imprint (1-3)	
Core insulation material	PVC	

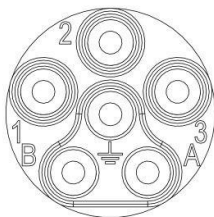
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## 5 Construction Source

### 5.1 Pole diagram Source



### 5.2 Construction Source

DESIGNATION	VALUE	UNIT
Size of construction	X-TEC 15	
Type of interlock	Quick release fastener	
Execution	Socket male	
Number of poles	4	
Construction form of the plug connector	straight	
Material Seals	NBR	
production type	mounted	
material of housing	Zinc, nickel-plated	
Material Insulating body	PA 6.6	
Conductor connection method	Crimp connection	
Material Contacts	Copper alloy, hard silver plated	
contact resistance	<3	mOhm
Mechanical life Contacts	500	mating cycles
connectable wires	fine to finely stranded	
Degree of protection (IP), mounted	IP66/67	

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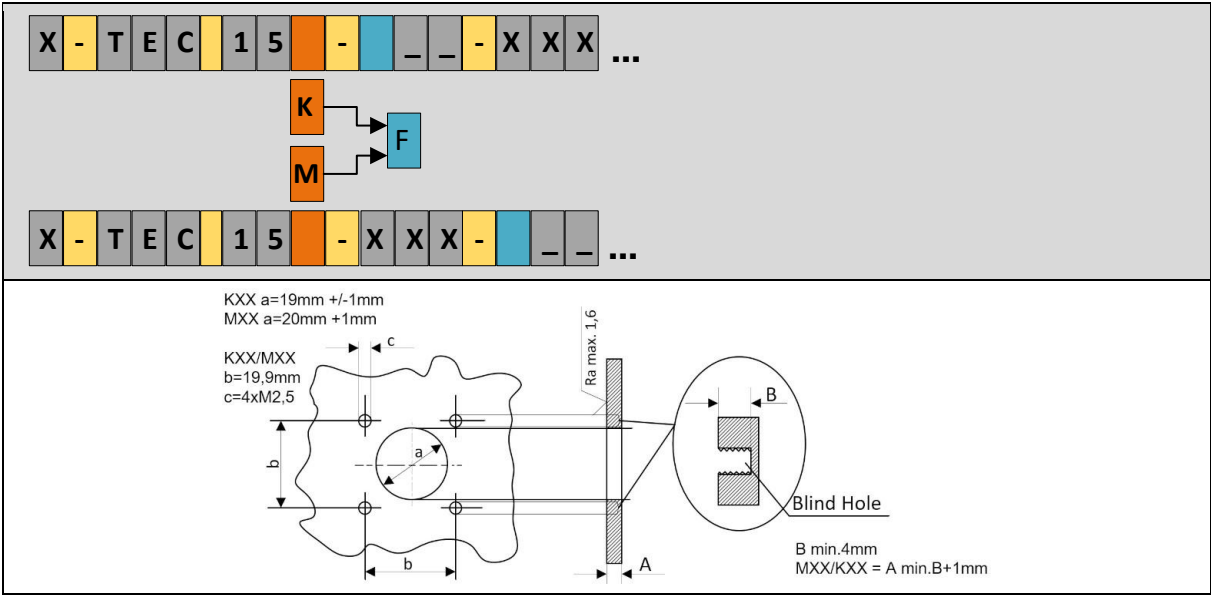
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Carl-Benz-Str. 6 D-74354 Besigheim  
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6.2 Drilling patterns for assembly

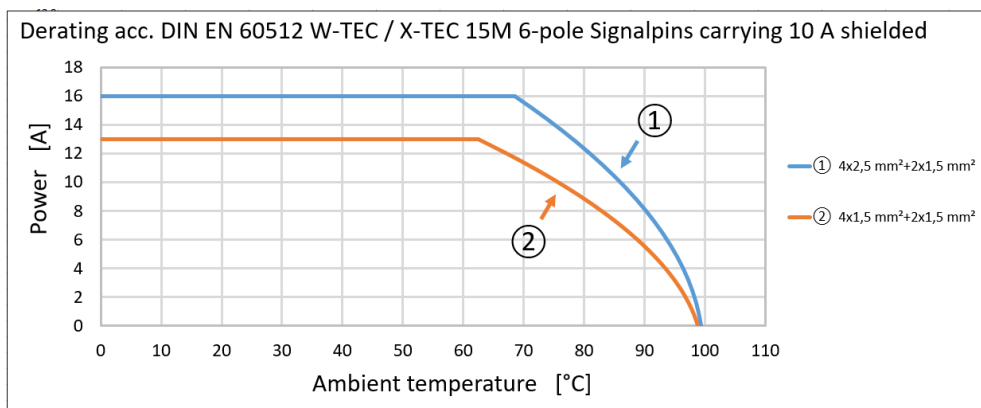
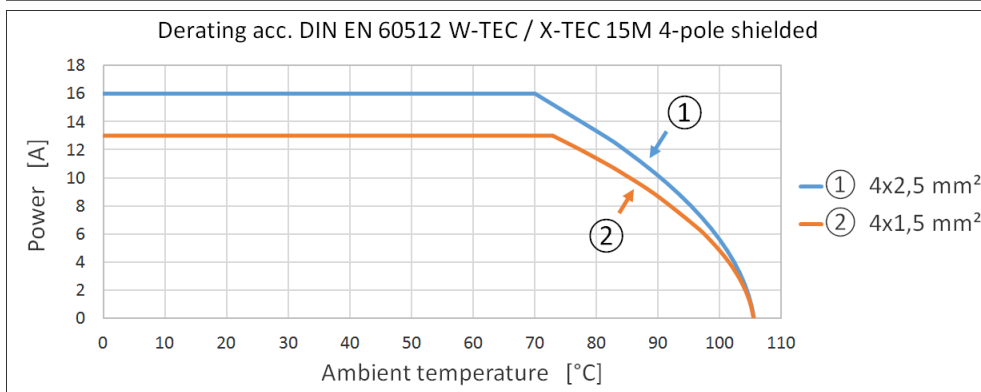
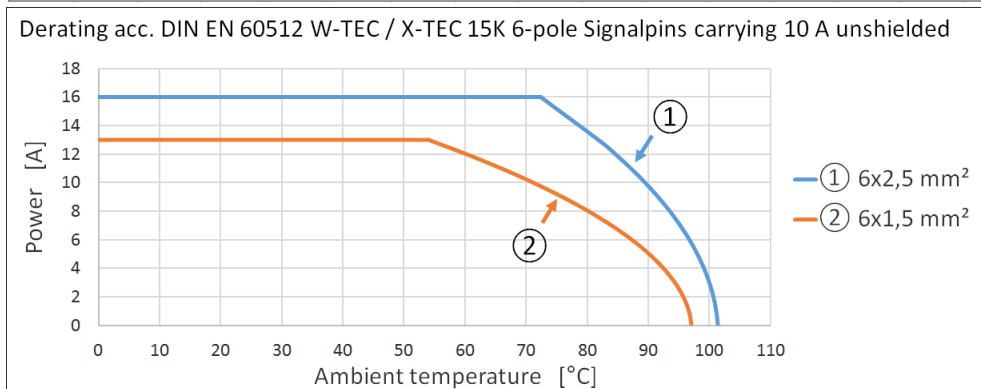
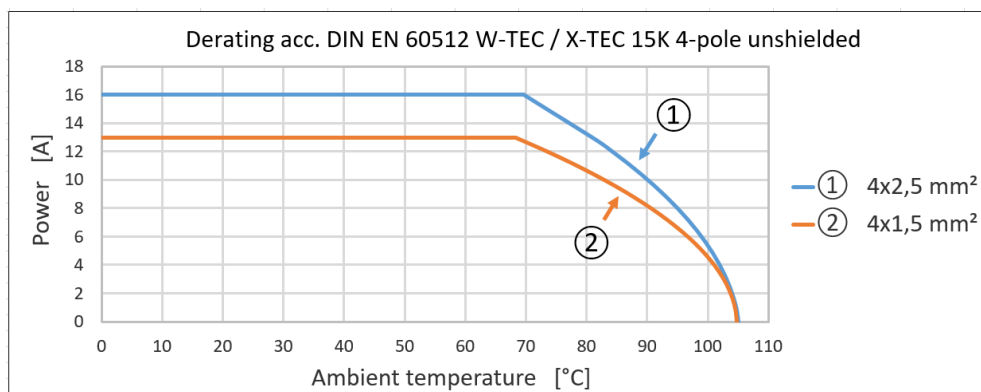
6.2.1 Attachment plug



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## 7 Derating



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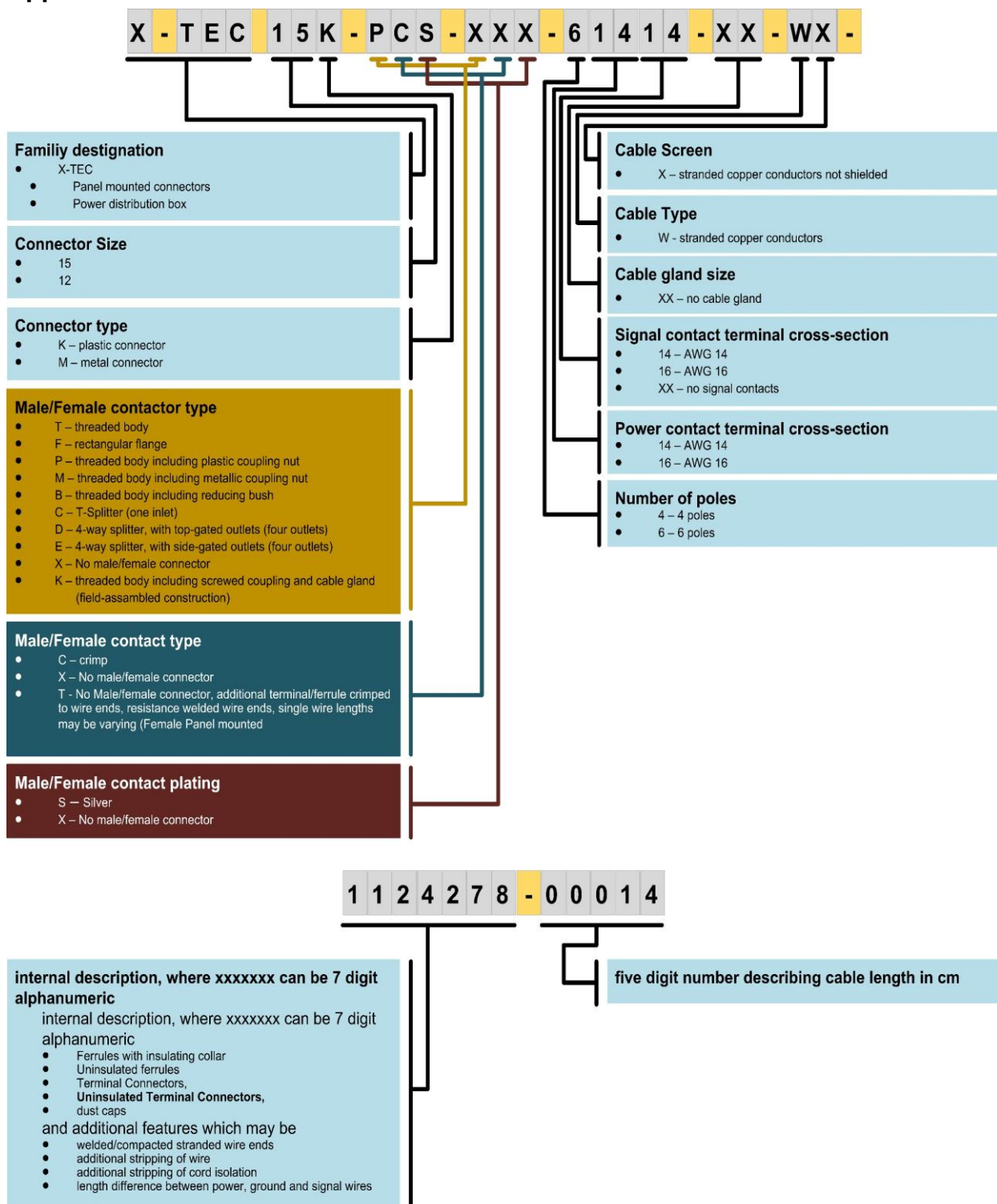
UL- Identification
X-TEC 15M-FCS-XXX-416XX-XX-WX
Designation
X-TEC 15M Flange-Male 4x1,5


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## 8 Appendix Nomenclature



08.11.2023-RSP	Adaptation Eclass	11.0		UL- Identification	Order no.	
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