## 1 Datasheet X-TEC 15M MANUAL ASSEMBLY-BU 7-12 MM



#### source

destination

# 2 Application

Connection of 3-phase consumers with 2 Signalpins

## 3 General component properties

## 3.1 Cataloguing

DESIGNATION	VALUE	UNIT
product designation of manufacturer	X-TEC 15 Accessories	
Manufacturer Article Number	1160885	
Application standards	PERFORMANCE	
UL Mark	UL Listed	
eCl@ss 9.0	27-44-03-90	
country of origin	DE	

## 3.2 Electrical properties

DEGIONIATION		
DESIGNATION	VALUE	UNIT
rated current	16	A
Rated current auxiliary wires	10	A
rated voltage	600	V AC
Rated voltage auxiliary wires	250	V AC / DC
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)	
neutral conductor	No	
Degree of protection by encapsulation according to IEC 60529	No	
Reference to standard	DIN EN 61984 / IEC 61076-2-116	

08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0	LQ GROUP	X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	1
The information contained in this data sheet was compiled with the greatest possible care. LQ Mechatronik-Systeme GmbH   For correctness, completeness and topicality the liability is limited to gross negligence. Carl-Benz-Str. 6 D-74354 Besigheim   All rights reserved to DIN 34 Tel. +49 (0) 71 43 / 968-0 - info@de.lq-group.com					roup.com	

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
Connector Target	102,5	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-XXX-KXX-XXXXX-KK-AS	

#### 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:

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	СС	30	50	600
All rated 16 A	TD	RK5	35	5	600
	TD	J	60	50	600
	TD	СС	30	50	600

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

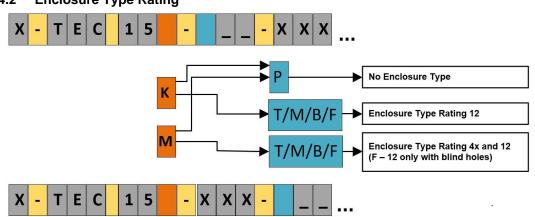
Circuit Breakers:

Cat. No(s). Model/Type	Manufacturer	Current	SCCR	Voltage
	/ UL File	Rating (A)	(kA)	V AC

08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0	LQ GROUP	X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	2
The information contained in this data sheet was compiled with the greatest possible care. LQ Mechatronik-Sys   For correctness, completeness and topicality the liability is limited to gross negligence. Carl-Benz-Str. 6 D-   All rights reserved to DIN 34 Tel. +49 (0) 71 43 / 5						ıp.com

All	Any	Any / Any	16	50	480Y/277
					Vac

#### 3.4.2 Enclosure Type Rating



#### 3.5 Thermal properties

DESIGNATION	VALUE	UNIT
Max. operating temperature	70	°C
Fixed temperature range	-35 +70	°C
(LLT-ULT)		

#### 3.6 UL Ratings

DESIGNATION	VALUE	UNIT
Reference to UL standard	2237	
max. connectable conductor size (AWG/KCMIL)	16-14	AWG
Auxiliary wires Wire gauge	16-14	AWG
Enclosure Type Rating	4X, 12	
flame-resistant (in accordance with UL94)	HB	

### 3.7 Other features

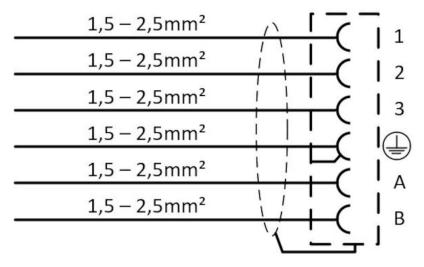
DESIGNATION	VALUE	UNIT
RoHS compliant	2011/65/EU	
REACH SVHC substances	-	
halogen-free	Yes	
oil and grease resistant	Yes	
flame-resistant	Yes	

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.

08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0		X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	3
The information conta For correctness, com All rights reserved to	ysteme GmbH 0-74354 Besigheim / 968-0 - info@de.lq-gro	up.com				

### 4 General structure

4.1 Allocation plan



08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0		X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	4
The information conta For correctness, comp All rights reserved to I	ysteme GmbH )-74354 Besigheim / 968-0 - info@de.lq-qro					

# 5 Construction Destination

## 5.1 Pole diagram Target

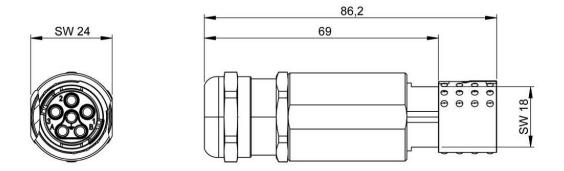


### 5.2 Construction Destination

DESIGNATION	VALUE	UNIT
Size of construction	X-TEC 15	
Type of interlock	Quick release fastener	
Execution	free plug-in socket	
Number of poles	6	
Construction form of the	straight	
plug connector		
clamping area	7 - 12	mm
Material Seals	NBR, FPM	
production type	mounted	
material of housing	NiRo Steel, brass, PA, nickel-plated	
Material Insulating body	PA 6.6	
Type of connections	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	IP65	

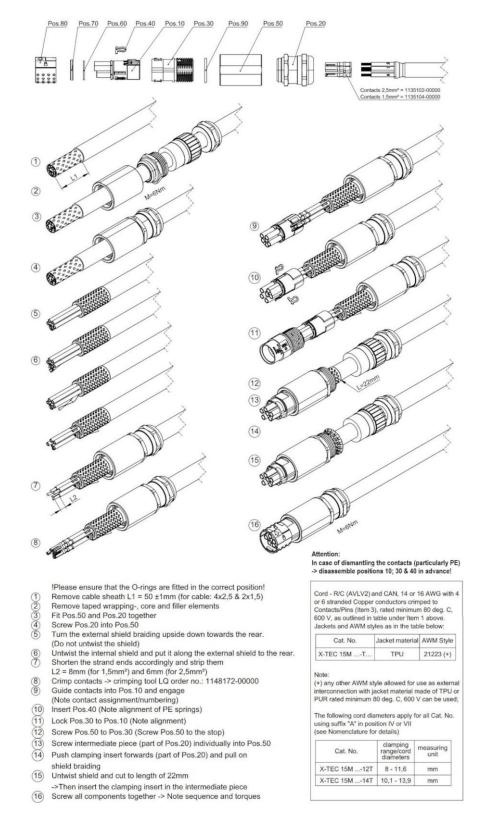
08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0		X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	5
For correctness, com	ined in this data sheet was compile pleteness and topicality the liability			e. LQ Mechatronik-Systeme GmbH Carl-Benz-Str. 6 D-74354 Besigheim		
All rights reserved to I	DIN 34			Tel. +49 (0) 71 43	/ 968-0 - info@de.lq-gro	oup.com

# 5.3 Schematic diagram Target



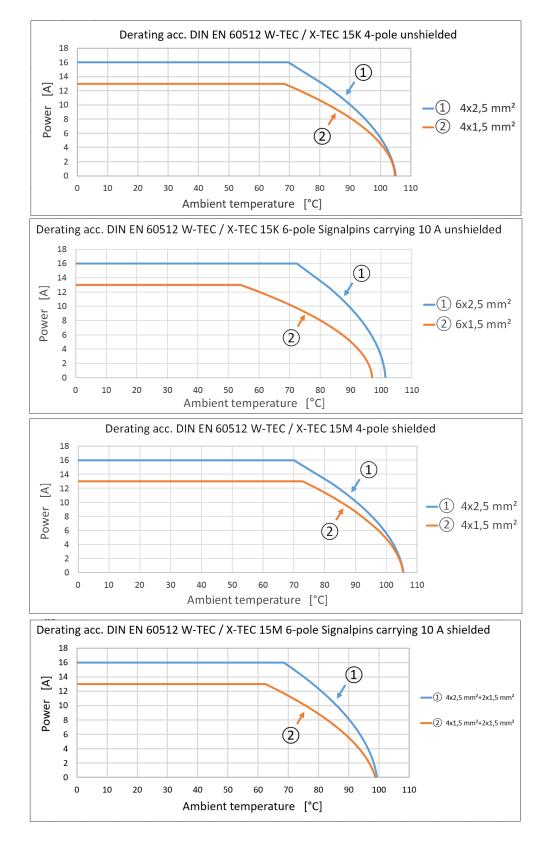
08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0		X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	6
The information conta For correctness, com All rights reserved to	ysteme GmbH 0-74354 Besigheim / 968-0 - info@de.lq-gro	up.com				

#### 6 Assembly instructions

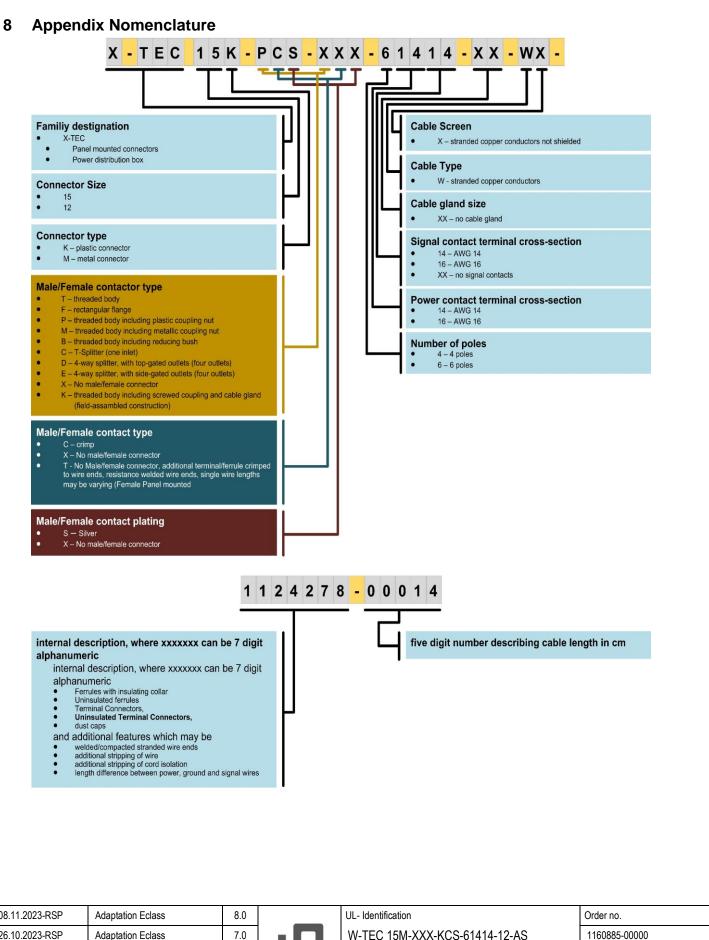


08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.		
26.10.2023-RSP	Adaptation Eclass	7.0			W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet		
08.08.2023-RSP	New: IEC 61076-2-116	5.0		X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page	
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	7	
The information contained in this data sheet was compiled with the greatest possible care. LQ Mechatronik-Systeme GmbH   For correctness, completeness and topicality the liability is limited to gross negligence. Carl-Benz-Str. 6 D-74354 Besigheim   All rights reserved to DIN 34 Tel. +49 (0) 71 43 / 968-0 - info@de.lq-group.com							

## 7 Derating



08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0	LQ GROUP	X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	8
The information contained in this data sheet was compiled with the greatest possible care. For correctness, completeness and topicality the liability is limited to gross negligence. All rights reserved to DIN 34 LQ Mechatronik-Systeme GmbH Carl-Benz-Str. 6 D-74354 Besigheim Tel. +49 (0) 71 43 / 968-0 - info@de.lq-group.com						



08.11.2023-RSP	Adaptation Eclass	8.0		UL- Identification	Order no.	
26.10.2023-RSP	Adaptation Eclass	7.0		W-TEC 15M-XXX-KCS-61414-12-AS	1160885-00000	
24.08.2023-RSP	Rated current main wires *	6.0		Designation	Datasheet	
08.08.2023-RSP	New: IEC 61076-2-116	5.0	LQ GROUP	X-TEC 15M MANUAL ASSEMBLY-BU	Created	Page
Change No.	Description of changes	Index		7-12 MM	09.11.2023-RSP	9
The information conta For correctness, comp All rights reserved to I	/steme GmbH I-74354 Besigheim / 968-0 - info@de.lq-grou	up.com				