



ReeR S.p.A. Safety Division
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<https://www.reersafety.com>

Company / customer

Project description

Safety light curtains

Job number

Commission

ReeR - Safety light curtains

Manufacturer (company)

ReeR S.p.A

Project name

ReeR - Safety light curtains

Type

ePlan P8 ver.2.6

Place of installation

Responsible for project

Part feature

Safety light curtains

Created on

20/11/2019

Edit date

20/10/2021

by (short name) REER

Number of pages 32

F06_002_REER

Higher-level function	Mounting location	Page	Page description	supplementary page field	Date	Edited by	
		1	Cover sheet		20/10/2021	REER	
		2	Page summary		20/10/2021	REER	
		2.a	Page summary		20/10/2021	REER	
EOS4	SYM	nnnnnnnA	EOS4 YYYY A Light curtain		20/10/2021	REER	
	SYM	nnnnnnnAH	EOS4 YYYY AH Light curtain		20/10/2021	REER	
	SYM	nnnnnnnAHEX	EOS4 YYYY AH EX ATEX Light curtain		20/10/2021	REER	
	SYM	nnnnnnnAT	EOS4 YYYY AT Light curtain		20/10/2021	REER	
	SYM	nnnnnnnATL	EOS4 YYYY ATL Light curtain		20/10/2021	REER	
	SYM	nnnnnnnWTF_X	EOS4 WTF YYYY X Light curtain		20/10/2021	REER	
	SYM	nnnnnnnWTF_XH	EOS4 WTF YYYY XH Light curtain		20/10/2021	REER	
	SYM	nnnnnnnWTHF_X	EOS4 WTHF YYYY X Light curtain		20/10/2021	REER	
	SYM	nnnnnnnWTHF_XH	EOS4 WTHF YYYY XH Light curtain		20/10/2021	REER	
	SYM	nnnnnnnX	EOS4 YYYY X Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXH	EOS4 YYYY XH Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXM	EOS4 YYYY XM Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXS	EOS4 YYYY XS Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXS2	EOS4 YYYY XS2 Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXT	EOS4 YYYY XT Light curtain		20/10/2021	REER	
	SYM	nnnnnnnXTL	EOS4 YYYY XTL Light curtain		20/10/2021	REER	
	PL	1	Part list		20/10/2021	REER	
	EOS2	SYM	zzzzzzzA	EOS2 ZZZZ A Light curtain		20/10/2021	REER
		SYM	zzzzzzzAT	EOS2 ZZZZ AT Light curtain		20/10/2021	REER
SYM		zzzzzzzATL	EOS2 ZZZZ ATL Light curtain		20/10/2021	REER	
SYM		zzzzzzzWTF_X	EOS2 ZZZZ WTF_X Light curtain		20/10/2021	REER	
SYM		zzzzzzzWTHF_X	EOS2 ZZZZ WTHF_X Light curtain		20/10/2021	REER	
SYM		zzzzzzzX	EOS2 ZZZZ X Light curtain		20/10/2021	REER	
SYM		zzzzzzzXM	EOS2 ZZZZ XM Light curtain		20/10/2021	REER	
SYM		zzzzzzzXS	EOS2 ZZZZ XS Light curtain		20/10/2021	REER	

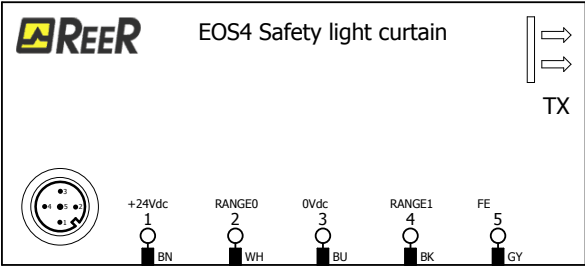
Table of contents

F06_002_REER

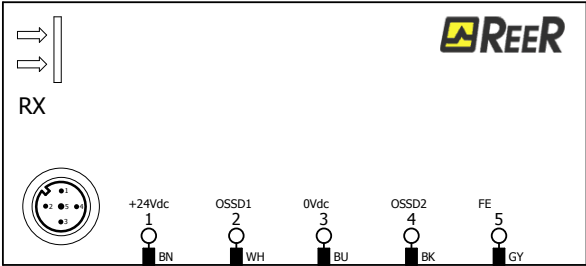
Higher-level function	Mounting location	Page	Page description	supplementary page field	Date	Edited by
EOS2	SYM	zzzzzzXS2	EOS2 ZZZZ XS2 Light curtain		20/10/2021	REER
	SYM	zzzzzzXT	EOS2 ZZZZ XT Light curtain		20/10/2021	REER
	SYM	zzzzzzXTL	EOS2 ZZZZ XTL Light curtain		20/10/2021	REER
	PL	1	Part list		20/10/2021	REER

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnA
/nnnnnnnA.4
TX
RER.nnnnnnnA



-BnnnnnnnA
/nnnnnnnA.2
RX



WARNING

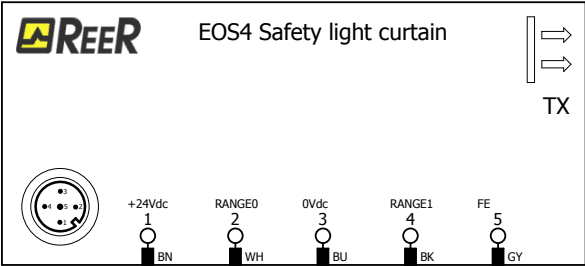
This macro is generic, usable for all products of the EOS4 A series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnnA.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnnA ---> RER.1310200).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY A ---> EOS4 153 A).
Order number: complete the numeric code product (example, nnnnnnnn ---> 1310200).
Description: complete the numeric code in multilingual (example, nnnnnnnn ---> 1310200).

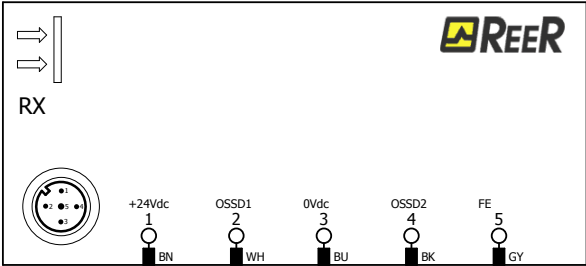
- EOS4 A
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
 - Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
 - SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
 - SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
 - Cat.4 - PL e (according to EN ISO 13849-1: 2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnAH
/nnnnnnnAH.4
TX
RER.nnnnnnnAH



-BnnnnnnnAH
/nnnnnnnAH.2
RX



WARNING

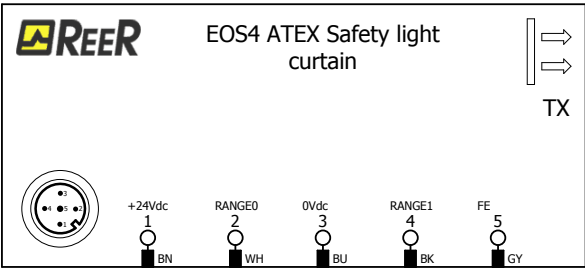
This macro is generic, usable for all products of the EOS4 AH series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnAH.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnAH ---> RER.1310250).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY AH ---> EOS4 153 AH).
Order number: complete the numeric code product (example, nnnnnnn ---> 1310250).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310250).

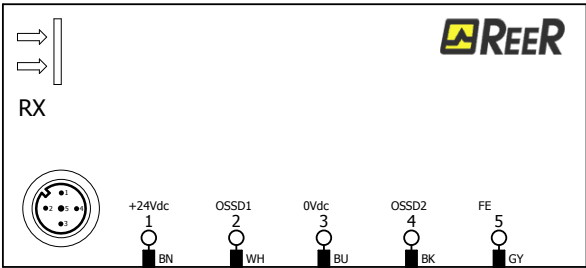
- EOS4 AH
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
 - Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
 - SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
 - SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
 - Cat.4 - PL e (according to EN ISO 13849-1: 2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnAHEX
/nnnnnnnAHEX.4
TX
RER.nnnnnnnAHEX



-BnnnnnnnAHEX
/nnnnnnnAHEX.2
RX



WARNING

This macro is generic, usable for all products of the EOS4 AH EX series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.nnnnnnnAHEX.

Change the following article fields:

Article number: complete the numeric code product (example, RER.nnnnnnnAHEX ---> RER.1010253).

Designation 1: complete the alphanumeric code product (example, EOS4 YYYY AHEX ---> EOS4 603 AH EX).

Order number: complete the numeric code product (example, nnnnnnn ---> 1010253).

Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1010253).

EOS4 AH EX (ATEX)

Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

IP65

ATEX degree of protection (94/9/CE) :

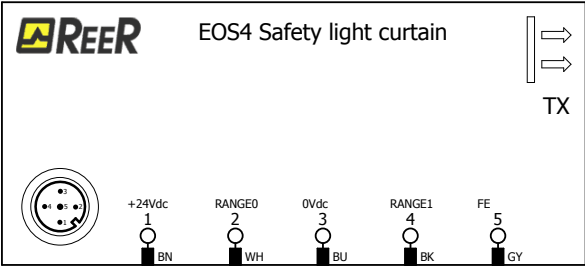
Gasses: II 3G Ex nA IIC T6 Gc

Dust: II 3D Ex tc IIIC T 60°C Dc

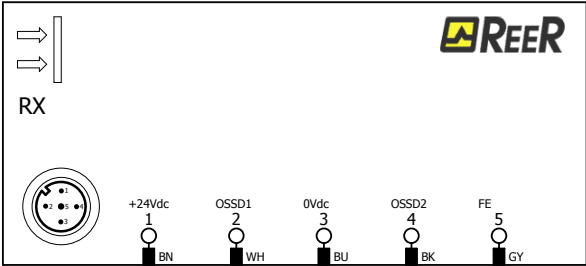
			Date	20/10/2021	ReeR - Safety light curtains			EOS4 YYYY AH EX ATEX Light curtain	NNNNNNN		= EOS4		
			Ed.	REER							+ SYM		
			Appr	CC	Safety light curtains						Page		
Modification	Date	Name	Original		Replacement of	Replaced by					nnnnnnnAHEX		
											?????		
											32		

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnAT
/nnnnnnnAT.4
TX
RER.nnnnnnnAT



-BnnnnnnnAT
/nnnnnnnAT.2
RX



WARNING

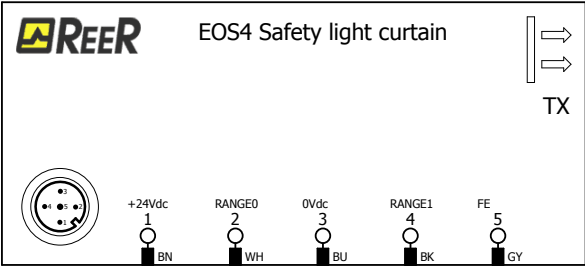
This macro is generic, usable for all products of the EOS4 AT series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnAT.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnAT ---> RER.1310821).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY AT ---> EOS4 153 AT).
Order number: complete the numeric code product (example, nnnnnnn ---> 1310821).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310821).

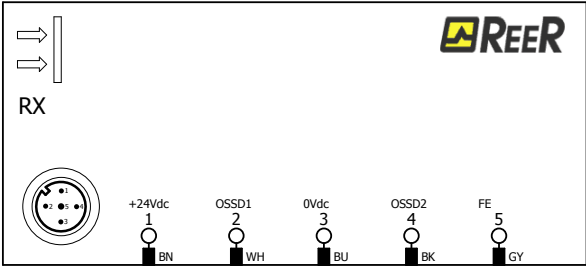
EOS4 AT
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnATL
/nnnnnnnATL.4
TX
RER.nnnnnnnATL



-BnnnnnnnATL
/nnnnnnnATL.2
RX



WARNING

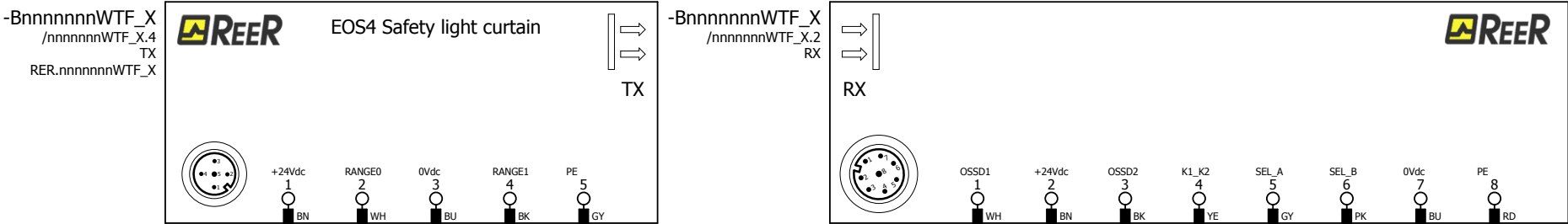
This macro is generic, usable for all products of the EOS4 ATL series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnATL.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnATL ---> RER.1310825).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY ATL ---> EOS4 153 ATL).
Order number: complete the numeric code product (example, nnnnnnn ---> 1310825).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310825).

EOS4 ATL
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.

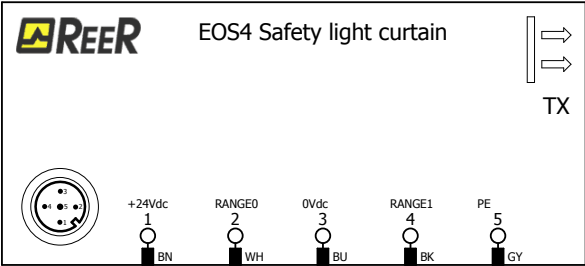
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

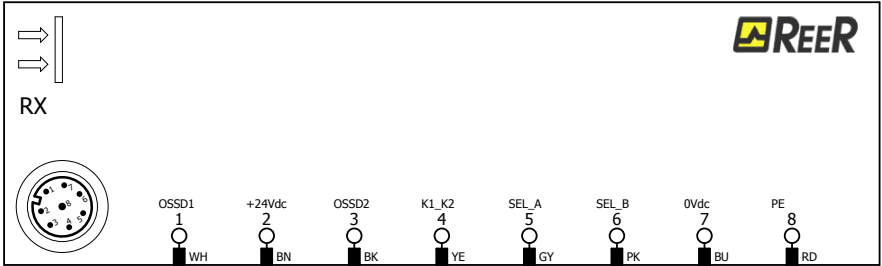


RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnWTF_XH
/nnnnnnnWTF_XH.5
TX
RER.nnnnnnnWTF_XH



-BnnnnnnnWTF_XH
/nnnnnnnWTF_XH.2
RX



WARNING

This macro is generic, usable for all products of the EOS4 WTF XH series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.nnnnnnnWTF_XH.

Change the following article fields:

Article number: complete the numeric code product (example, RER.nnnnnnnWTF_XH ---> RER.1110280).

Designation 1: complete the alphanumeric code product (example, EOS4 WTF YYYY XH ---> EOS4 WTF 153 XH).

Order number: complete the numeric code product (example, nnnnnnn ---> 1110280).

Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1110280).

EOS4 WTF XH

Electrosensitive Safety Device (ESPE)

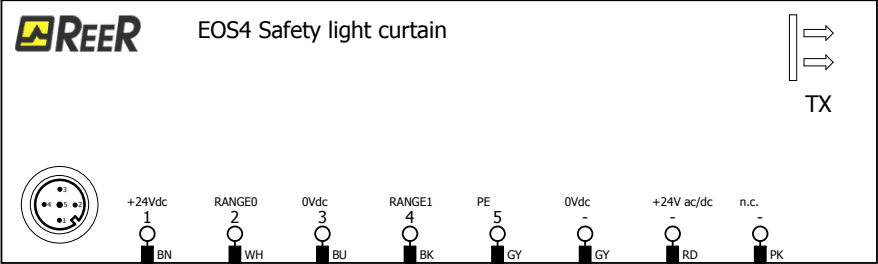
Light curtain composed of Emitter + Receiver with automatic reset.

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

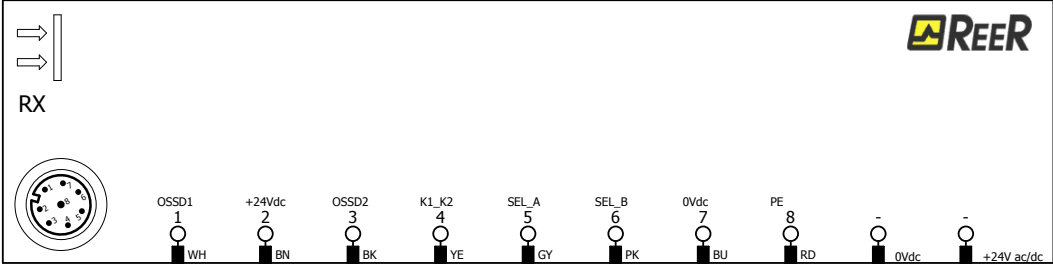
RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

HEATING SYSTEM		
0V	24V	MEANING
YELLOW	RED	Light curtain emitter heating system power supply
BLACK	VIOLET	Light curtain receiver heating system power supply

-BnnnnnnnWTHF_X
/nnnnnnnWTHF_X.5
TX
RER.nnnnnnnWTHF_X



-BnnnnnnnWTHF_X
/nnnnnnnWTHF_X.1
RX



WARNING

This macro is generic, usable for all products of the EOS4 WTHF X series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.nnnnnnnWTHF_X.

Change the following article fields:

Article number: complete the numeric code product (example, RER.nnnnnnnWTHF_X ---> RER.1110040).

Designation 1: complete the alphanumeric code product (example, EOS4 WTHF YYYY X ---> EOS4 WTHF 151 X).

Order number: complete the numeric code product (example, nnnnnnn ---> 1110040).

Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1110040).

EOS4 WTHF X

Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

Heating system

< nnnnnnnWTF_XH

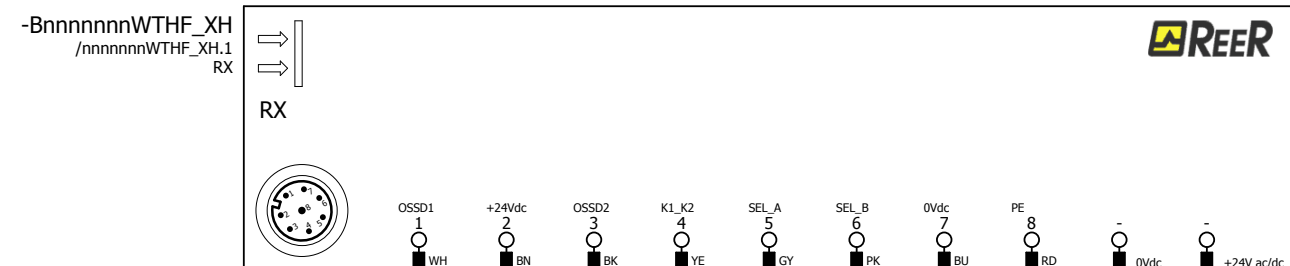
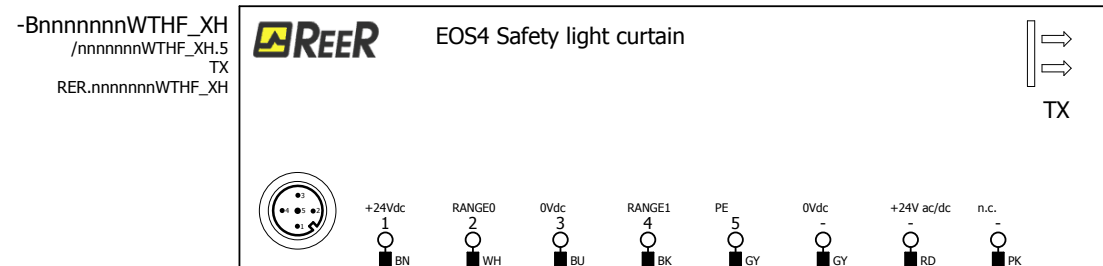
nnnnnnnWTHF_XH >

			Date	20/10/2021	ReeR - Safety light curtains			EOS4 WTHF YYYY X Light curtain	NNNNNNN		= EOS4	
			Ed.	REER							+ SYM	
			Appr	CC					Safety light curtains			
Modification	Date	Name	Original		Replacement of	Replaced by						

0	1	2	3	4	5	6	7	8	9
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RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

HEATING SYSTEM		
0V	24V	MEANING
YELLOW	RED	Light curtain emitter heating system power supply
BLACK	VIOLET	Light curtain receiver heating system power supply



WARNING

This macro is generic, usable for all products of the EOS4 WTHF XH series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.nnnnnnnnWTHF_XH.

Change the following article fields:

Article number: complete the numeric code product (example, RER.nnnnnnnnWTHF_XH ---> RER.1110290).

Designation 1: complete the alphanumeric code product (example, EOS4 WTHF YYYY XH ---> EOS4 WTHF 153 XH).

Order number: complete the numeric code product (example, nnnnnnnn ---> 1110290).

Description: complete the numeric code in multilingual (example, nnnnnnnn ---> 1110290).

EOS4 WTHF XH

Electrosensitive Safety Device (ESPE)

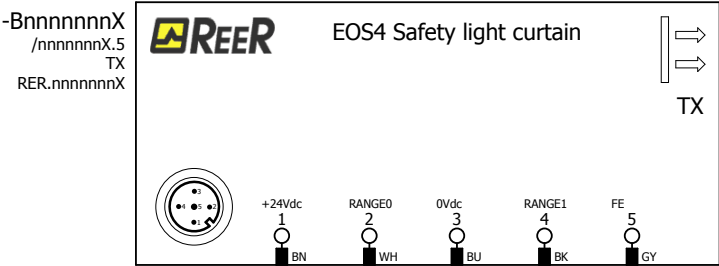
Light curtain composed of Emitter + Receiver with automatic reset.

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

Heating system

< nnnnnnnWTHF_X										nnnnnnnX >														
				Date	20/10/2021		ReeR - Safety light curtains						EOS4 WTHF YYYY XH				NNNNNNNN				= EOS4			
				Ed.	REER		Safety light curtains						Light curtain				+ SYM							
				Appr	CC																			
Modification	Date	Name	Original	Replacement of			Replaced by									Page nnnnnWTHF_XH								
																????? 32								

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error



RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnXH
/nnnnnnnXH.5
TX
RER.nnnnnnnXH

WARNING



Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.
Select the code REF nnnnnnnYH

Select the code RER.nnnnnnnnIXH.
Change the following article fields:

Article number: complete the numeric code product (example: RER.nnnnnnnnXH ---> RER.1310260).

Designation 1: complete the alphanumeric code product (example, EOS4 YYYY XH ---> EOS4 153 XH).

Order number: complete the numeric code product (example, nnnnnnnn ---> 1310260).

Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310260).

EOS4 XH
Fluorescence X-ray Scattering (FOS)

Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)

- SIL 3 (according to IEC 61508-1 (ed.2): IEC 61508-2: (ed.2): IEC 61508-3: (ed.2): IEC 61508-4: (ed.2))

- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)

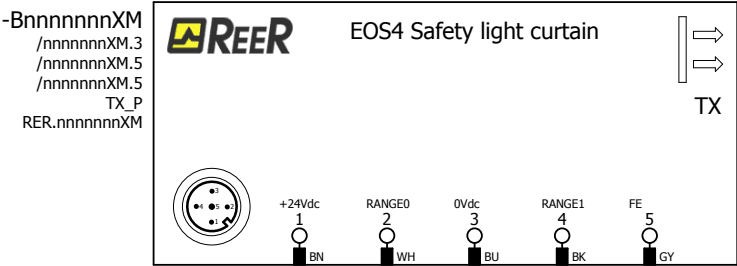
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

[illegible]

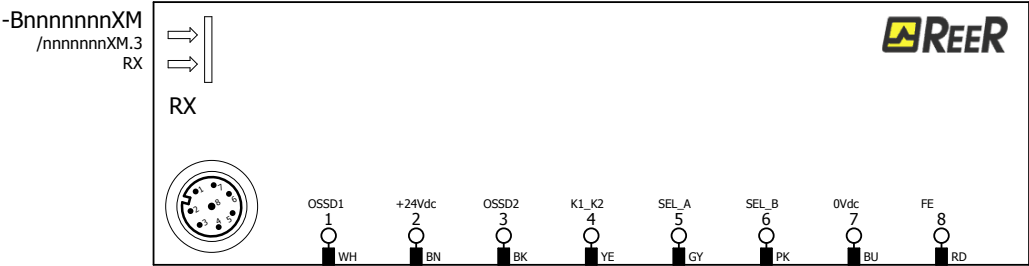
		Date	20/10/2021	ReeR - Safety light curtains		EOS4 YYYY XH	NNNNNNNN	= EOS4
		Ed.	REER			Light curtain		+ SYM

			Appr	CC	Safety light curtains		Light curtain				Page nnnnnnnXf
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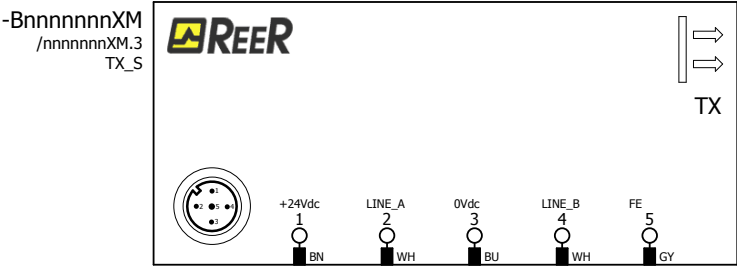
RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error



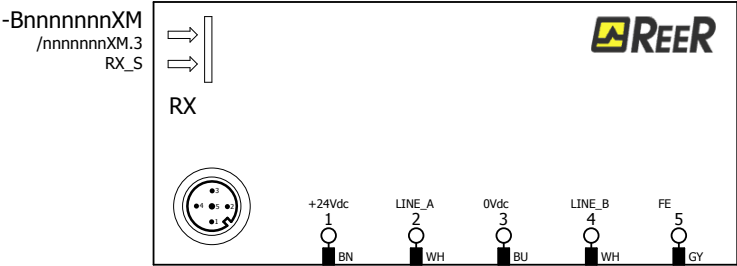
Master models - Primary connector



Master models - Primary connector



Master models - Secondary connector



Master models - Secondary connector

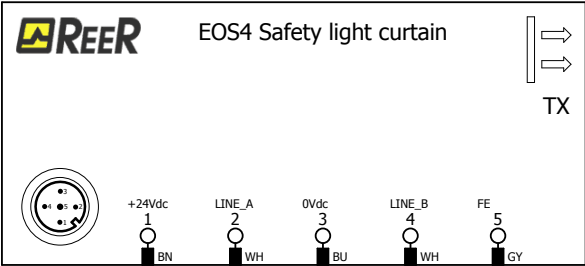
WARNING
This macro is generic, usable for all products of the EOS4 XM series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnXM.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnXM ---> RER.1311206).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY XM ---> EOS4 253 XM).
Order number: complete the numeric code product (example, nnnnnnn ---> 1311206).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1311206).

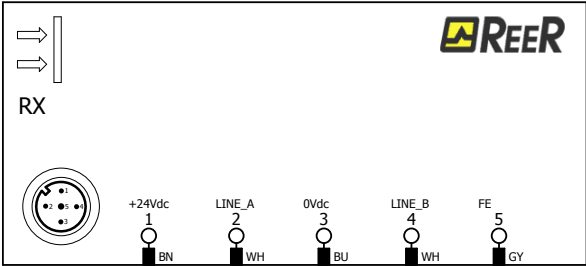
EOS4 XM
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnnXS
/nnnnnnnXS.4
TX
RER.nnnnnnnXS



-BnnnnnnnXS
/nnnnnnnXS.2
RX



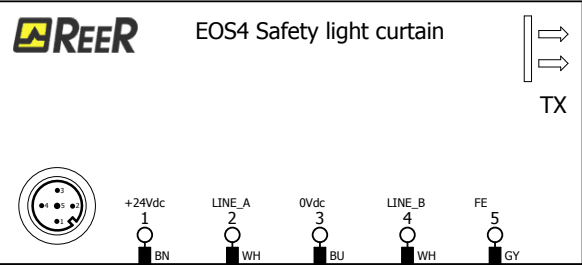
WARNING

This macro is generic, usable for all products of the EOS4 XS series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnXS.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnXS ---> RER.1310230).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY XS ---> EOS4 153 XS).
Order number: complete the numeric code product (example, nnnnnnn ---> 1310230).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310230).

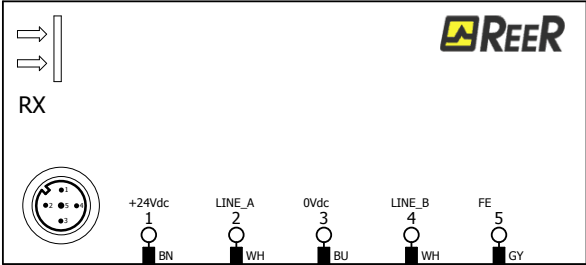
EOS4 XS
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

-BnnnnnnnXS2
/nnnnnnnXS2.2
/nnnnnnnXS2.4
/nnnnnnnXS2.4
TX_P
RER.nnnnnnnXS2



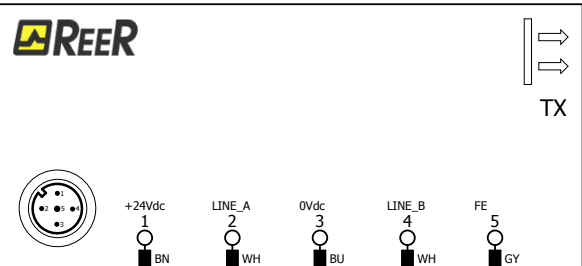
Slave/slave2 models - Primary connector

-BnnnnnnnXS2
/nnnnnnnXS2.2
RX_P



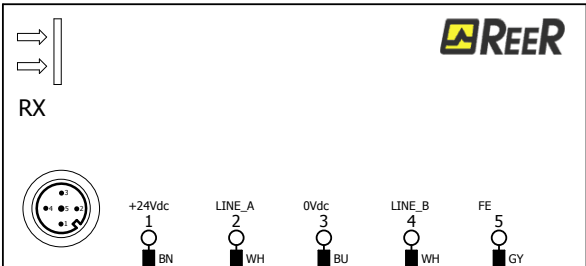
Slave/slave2 models - Primary connector

-BnnnnnnnXS2
/nnnnnnnXS2.2
TX_S



Slave2 models - Secondary connector

-BnnnnnnnXS2
/nnnnnnnXS2.2
RX_S



Slave2 models - Secondary connector

WARNING

This macro is generic, usable for all products of the EOS4 XS2 series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.nnnnnnnXS2.

Change the following article fields:

Article number: complete the numeric code product (example, RER.nnnnnnnXS2 ---> RER.1311208).

Designation 1: complete the alphanumeric code product (example, EOS4 YYYY XS2 ---> EOS4 253 XS2).

Order number: complete the numeric code product (example, nnnnnnn ---> 1311208).

Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1311208).

EOS4 XS2

Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

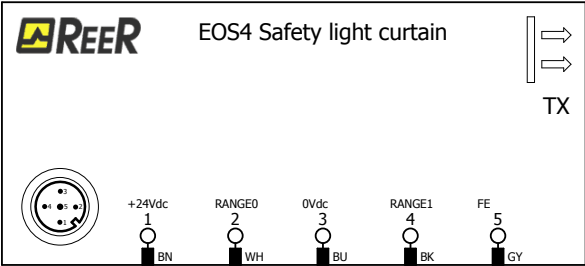
< nnnnnnnXS

nnnnnnnXT >

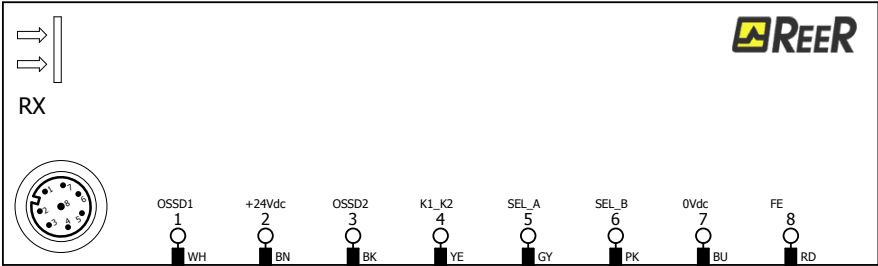
			Date	20/10/2021	Reer - Safety light curtains			EOS4 YYYY XS2 Light curtain	NNNNNNN		= EOS4	
			Ed.	REER							+ SYM	
			Appr	CC					Safety light curtains			
Modification	Date	Name	Original		Replacement of	Replaced by						

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BnnnnnnXT
/nnnnnnXT.4
TX
RER.nnnnnnXT



-BnnnnnnXT
/nnnnnnXT.2
RX



WARNING

This macro is generic, usable for all products of the EOS4 XT series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.nnnnnnnXT.
Change the following article fields:
Article number: complete the numeric code product (example, RER.nnnnnnnXT ---> RER.1310816).
Designation 1: complete the alphanumeric code product (example, EOS4 YYYY XT ---> EOS4 153 XT).
Order number: complete the numeric code product (example, nnnnnnn ---> 1310816).
Description: complete the numeric code in multilingual (example, nnnnnnn ---> 1310816).

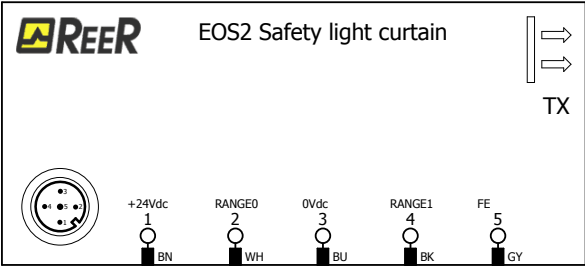
EOS4 XT
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

Parts list F01_001 REER

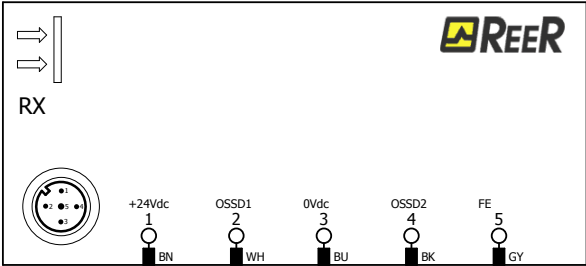
[illegible]

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzA
/zzzzzzA.4
TX
RER.zzzzzzA



-BzzzzzzA
/zzzzzzA.2
RX



WARNING

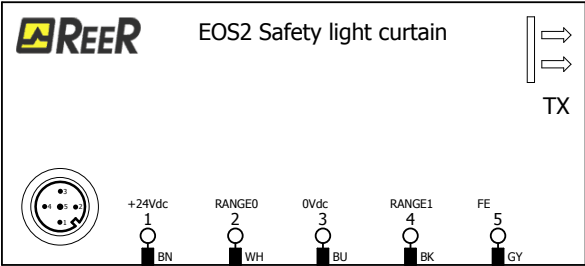
This macro is generic, usable for all products of the EOS2 A series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzA.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzA ---> RER.1320200).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ A ---> EOS2 153 A).
Order number: complete the numeric code product (example, zzzzzzz ---> 1320200).
Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1320200).

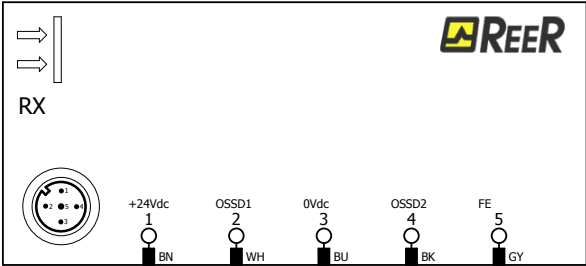
- EOS2 A
- Electrosensitive Safety Device (ESPE)
- Light curtain composed of Emitter + Receiver with automatic reset.
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
 - SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
 - SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
 - Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzzAT
/zzzzzzzAT.4
TX
RER.zzzzzzzAT



-BzzzzzzzAT
/zzzzzzzAT.2
RX



WARNING

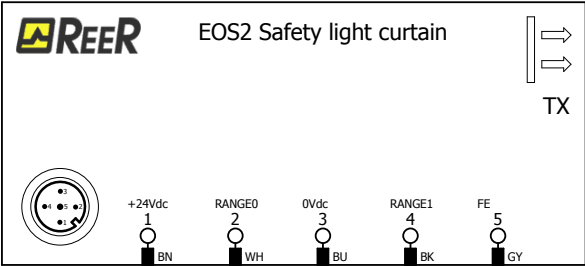
This macro is generic, usable for all products of the EOS2 AT series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzzAT.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzzAT ---> RER.1321222).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ AT ---> EOS2 153 AT).
Order number: complete the numeric code product (example, zzzzzzz ---> 1321222).
Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1321222).

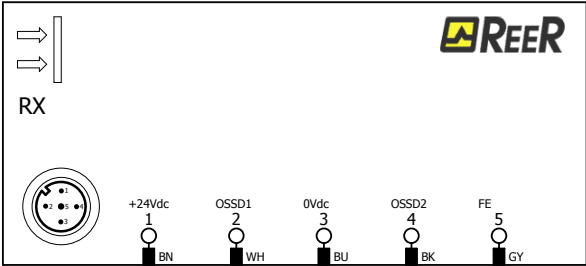
EOS2 AT
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzATL
/zzzzzzATL.4
TX
RER.zzzzzzATL



-BzzzzzzATL
/zzzzzzATL.2
RX



WARNING

This macro is generic, usable for all products of the EOS2 ATL series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzATL.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzATL ---> RER.1321225).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ ATL ---> EOS2 153 ATL).
Order number: complete the numeric code product (example, zzzzzzz ---> 1321225).
Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1321225).

EOS2 ATL
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

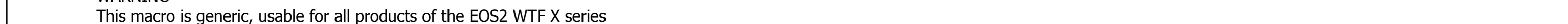
-BzzzzzzzWTF_X
/zzzzzzzWTF_X.4
TX
RER.zzzzzzWTF_X

The diagram shows a circular 5-pin connector labeled 'TX'. The pins are numbered 1 to 5 and color-coded: 1 (BN), 2 (WH), 3 (BU), 4 (BK), and 5 (GY). Above each pin is its function: +24Vdc, RANGE0, 0Vdc, RANGE1, and PE.

-BzzzzzzzWTF_X
/zzzzzzzWTF_X.2
RX

The diagram shows a circular 8-pin connector labeled 'RX'. The pins are numbered 1 to 8 and color-coded: 1 (WH), 2 (BN), 3 (BK), 4 (YE), 5 (GY), 6 (PK), 7 (BU), and 8 (RD). Above each pin is its function: OSSD1, +24Vdc, OSSD2, K1_K2, SEL_A, SEL_B, 0Vdc, and PE.

WARNING



Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.
Select the code REF 77777777 WTE Y

Select the code RER.ZZZZZZZWTF_X.
Change the following article fields:

Article number: complete the numeric code product (example: RER.zzzzzzzWTF X ---> RER.1120230).

Designation 1: complete the alphanumeric code product (example, EOS2 WTF ZZZZ X ---> EOS2 WTF 153 X).

Order number: complete the numeric code product (example, zzzzzzz ---> 1120230).

Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1120230).

EOS2 WTF X
Flattened with G-float Deconv (EOSF)

Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset

- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)

- SIL 1 (according the Standard IEC 61508-1(ed.2): IEC 61508-2: (ed.2): IEC 61508-3: (ed.2): IEC 61508-4: (ed.2))

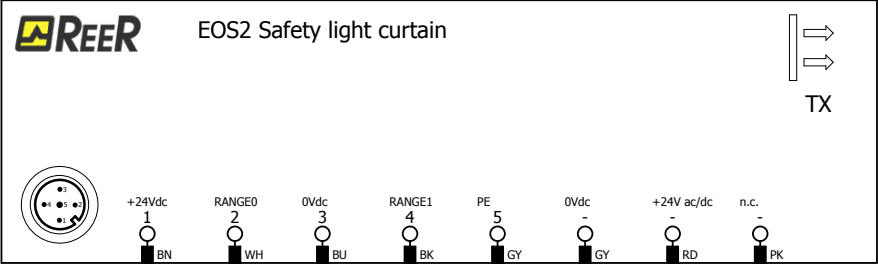
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)

- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

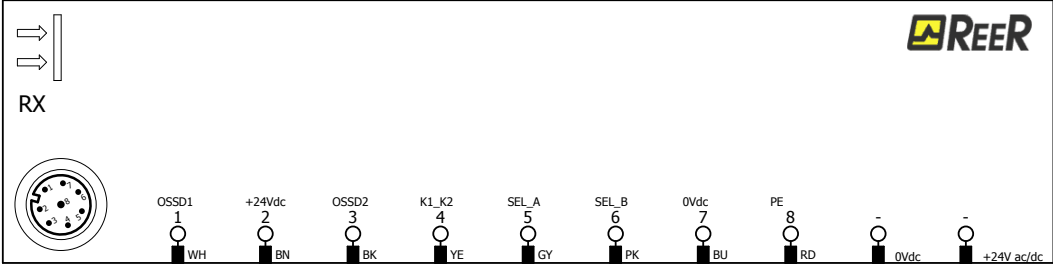
RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

HEATING SYSTEM		
0V	24V	MEANING
YELLOW	RED	Light curtain emitter heating system power supply
BLACK	VIOLET	Light curtain receiver heating system power supply

-BzzzzzzWTHF_X
/zzzzzzWTHF_X.5
TX
RER.zzzzzzWTHF_X



-BzzzzzzWTHF_X
/zzzzzzWTHF_X.1
RX



WARNING

This macro is generic, usable for all products of the EOS2 WTHF X series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.zzzzzzWTHF_X.

Change the following article fields:

Article number: complete the numeric code product (example, RER.zzzzzzWTHF_X ---> RER.1120240).

Designation 1: complete the alphanumeric code product (example, EOS2 WTHF ZZZZ X ---> EOS2 WTHF 153 X).

Order number: complete the numeric code product (example, zzzzzzz ---> 1120240).

Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1120240).

EOS2 WTHF X

Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

Heating system

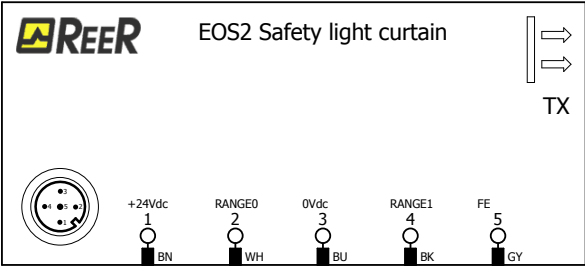
< zzzzzzWTF_X

zzzzzzX >

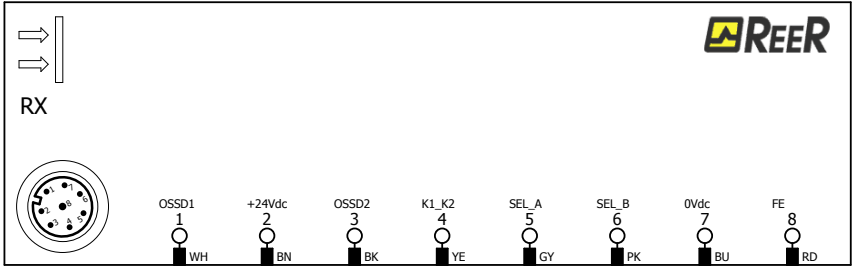
			Date	20/10/2021	Reer - Safety light curtains			EOS2 ZZZZ WTHF_X Light curtain	ZZZZZZZZ		= EOS2	
			Ed.	REER							+ SYM	
			Appr	CC					Safety light curtains			
Modification	Date	Name	Original		Replacement of	Replaced by						PagezzzzzWTHF_X ?????

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzX
/zzzzzzX.5
TX
RER.zzzzzzX



-BzzzzzzzX
/zzzzzzX.2
RX



WARNING

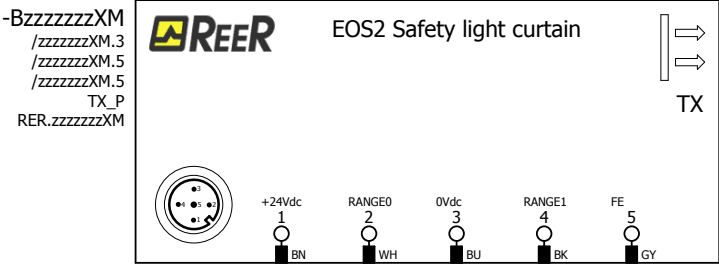
This macro is generic, usable for all products of the EOS2 X series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzzX.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzzX ---> RER.1320210).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ X ---> EOS2 153 X).
Order number: complete the numeric code product (example, zzzzzzz ---> 1320210).
Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1320210).

EOS2 X
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.

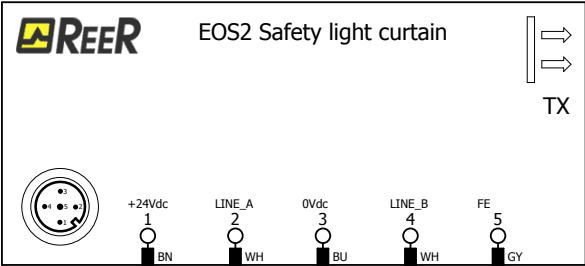
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

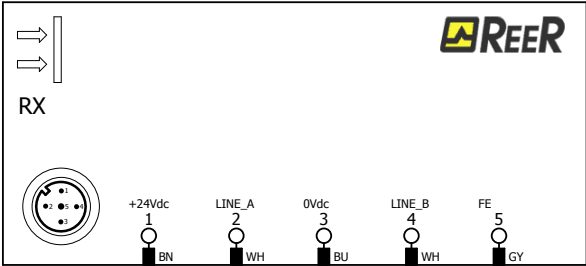


RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzXS
/zzzzzzXS.4
TX
RER.zzzzzzXS



-BzzzzzzXS
/zzzzzzXS.2
RX



WARNING

This macro is generic, usable for all products of the EOS2 XS series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzXS.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzXS ---> RER.1320230).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ XS ---> EOS2 153 XS).
Order number: complete the numeric code product (example, zzzzzz ---> 1320230).
Description: complete the numeric code in multilingual (example, zzzzzz ---> 1320230).

- EOS2 XS
- Electrosensitive Safety Device (ESPE)
- Light curtain composed of Emitter + Receiver with automatic reset.
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
 - SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
 - SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
 - Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

The diagrams illustrate the wiring for the REER EOS2 Safety light curtain. The top row shows the primary connectors for TX and RX, and the bottom row shows the secondary connectors for TX and RX. Each diagram includes a 5-pin connector with pins labeled 1 to 5 and their corresponding colors: 1 (BN), 2 (WH), 3 (BU), 4 (WH), and 5 (GY). The diagrams also show the REER logo and the model name EOS2 Safety light curtain.

Primary connector TX: -BzzzzzzXS2 /zzzzzzXS2.2 /zzzzzzXS2.4 /zzzzzzXS2.4 TX_P RER.zzzzzzXS2

Primary connector RX: -BzzzzzzXS2 /zzzzzzXS2.2 RX_P

Secondary connector TX: -BzzzzzzXS2 /zzzzzzXS2.2 TX_S

Secondary connector RX: -BzzzzzzXS2 /zzzzzzXS2.2 RX_S

This macro is generic, usable for all products of the EOS2 XS2 series

Open the ePlan article database.

Change the following article fields:

Article number: complete the numeric code product (example, RER.zzzzzzzXS2 ---> RER.1321208).

Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ XS2 ---> EOS2 253 XS2).

Order number: complete the numeric code product (example, zzzzzzzz ---> 1321208).

Description: complete the numeric code in multilingual (example, zzzzzzzz ---> 1321208).

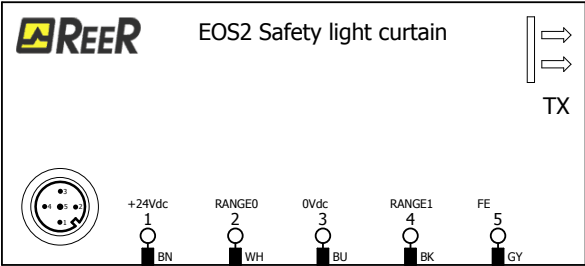
Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

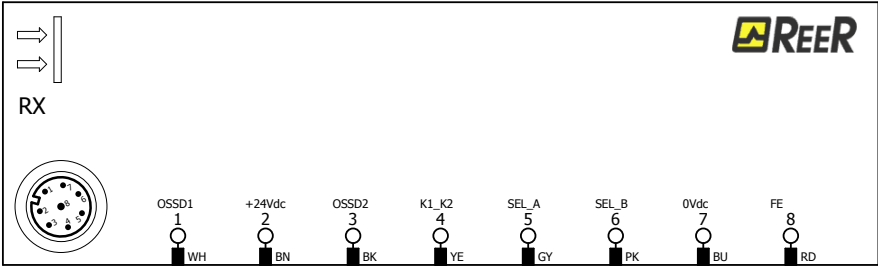
- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

RANGE AND TEST SELECTION (Primary Connector M12, 5 Pin)		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error

-BzzzzzzXT
/zzzzzzXT.4
TX
RER.zzzzzzXT



-BzzzzzzXT
/zzzzzzXT.2
RX



WARNING

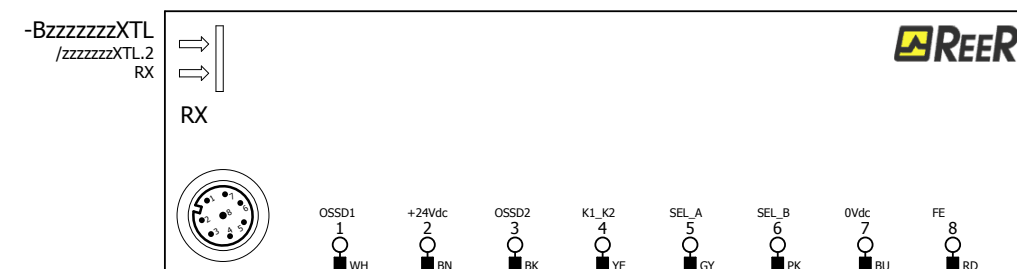
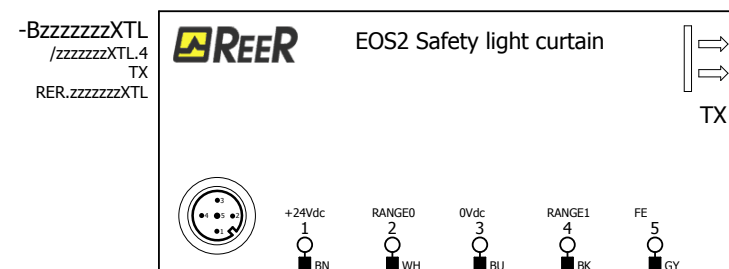
This macro is generic, usable for all products of the EOS2 XT series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.zzzzzzXT.
Change the following article fields:
Article number: complete the numeric code product (example, RER.zzzzzzXT ---> RER.1321218).
Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ XT ---> EOS2 153 XT).
Order number: complete the numeric code product (example, zzzzzzz ---> 1321218).
Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1321218).

- EOS2 XT
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
 - Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
 - SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
 - SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
 - Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

0	1	2	3	4	5	6	7	8	9
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<h1>RANGE AND TEST SELECTION</h1> <p>(Primary Connector M12, 5 Pin)</p>		
PIN 4	PIN 2	MEANING
24V	0V	Selection HIGH Range
0V	24V	Selection LOW Range
0V	0V	Emitter in TEST
24V	24V	Selection error



WARNING

This macro is generic, usable for all products of the EOS2 XTL series

Procedure for customizing the article present in the macro of the selected light curtain scheme.

Open the ePlan article database.

Select the code RER.zzzzzzzXTL.

Change the following article fields:

Article number: complete the numeric code product (example, RER.zzzzzzzXTL ---> RER.1321225).

Designation 1: complete the alphanumeric code product (example, EOS2 ZZZZ XTL ---> EOS2 153 XTL).

Order number: complete the numeric code product (example, zzzzzzzz ---> 1321225).

Description: complete the numeric code in multilingual (example, zzzzzzz ---> 1321225).

EOS2 XTL

Electrosensitive Safety Device (ESPE)

Light curtain composed of Emitter + Receiver with automatic reset.

- Type 2 (according the Standard EN 61496-1:2013; EN 61496-2:2013)
- SIL 1 (according the Standard IEC 61508-1(ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 1 (according the Standard IEC 62061:2005/A2:2015)
- Cat.2 - PL c (according the Standard EN ISO 13849-1:2015)

Parts list

F01_001 REER

[illegible]