

# CN Information

## Change Notice Information Announcement

Customer Care Center: 1(888)778-2733 or email: ccc@schneider-electric.com



### RED Flag Notice Time to End of Commercialization: 18-22 Months Notice

Note: The red flag notification signals an **obsolescence**, withdrawal or discontinuation of an offer.

<b>Product Name(s):</b>	Preventa XPS Step 2 Safety Modules	<b>Customer Support No.</b>	888-778-2733
<b>Product Line Description:</b>	Wired Safety Modules	<b>Document Issued:</b>	9/20/2021

#### Description of Change:

##### ATTENTION: IMMEDIATE LTB AND EOC DATES

After several years in the market, Industry Applied Offer Product Marketing confirms that the final group of XPS safety modules (relays) will be reaching end of commercialization (EOC) later this year. The end of commercialization date is March 30, 2023 for XPSMP and July 30, 2023 for all other XPS Step 2 safety modules (refer to the transition tool for dates). However, we are requesting distributors and customers **submit last time buys before December 31, 2022.**

Customers are recommended to migrate to the new XPS and XPS Universal ranges. The new XPS and XPSU ranges offer several benefits, including fewer references to cover more safety functions, smart diagnostic outputs, and more. Please see enclosed transition tool and XPSU technical presentation for more information.

#### Inventory Disposition and Return Policy:

Use to depletion. Standard warranty applies. Ineligible for Stock Rotations. All sales are final.

### Product Photos



**Legacy Product – Preventa XPS Safety Module**  
(representative photo – not all look identical)

**New Product – Preventa XPSU Safety Module**  
(representative photo – not all look identical)

### Critical Dates

Last Buy: (Or Until Inventory Depletion)	Product Support Ends:	Availability Date of New Product:	End of Commercialization
12/31/2022	12/31/2025	12/1/2021	3/30/2023 and 7/30/2023

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### Transition Tools:

See enclosed "XPS to XPSU Step 2 - Transition Tool.xlsx"  
See enclosed "PREVENTA XPS Step2 - Replacement CRs.pdf"  
See enclosed "Harmony\_Preventa\_Step2\_comparison\_2020\_03\_12.pdf"

### Definition of Dates:

- a. **Last buy** shall be the last date that we will accept a PO. This date shall take into account the lead time to build the product as well as current inventory levels.
- b. **Product support** shall be 2 years beyond end of commercialization or last buy whichever the latter.
- c. **Availability date of new product** is when the new products are expected to be orderable.
- d. **End of commercialization (EOC)** if made to stock; this date will be before the last buy date (taking into account the build / shipping lead time as well as current inventory levels). If made to order; this date will equal the last buy date.

**Note: Our factories have limited capacities for products going obsolete. Product availability will be set on a first come first serve basis.**

### Impacted Catalog Numbers:

XPSABV11330C	XPSECPE3910C
XPSABV11330P	XPSECPE3910P
XPSABV1133C	XPSECPE3930C
XPSABV1133P	XPSECPE3930P
XPSAC1321	XPSECPE5131C
XPSAC1321P	XPSECPE5131P
XPSAC3421	XPSECPE5130C
XPSAC3421P	XPSECPE5130P
XPSAC3721	XPSMP11123
XPSAC3721P	XPSMP11123P
XPSAC5121	XPSTSA3442P
XPSAC5121P	XPSTSA3742P
XPSVNE1142HSP	XPSTSA5142P
XPSVNE1142LFP	XPSTSW3442P
XPSVNE1142P	XPSTSW3742P
XPSVNE3442HSP	XPSTSW5142P
XPSVNE3442LFP	
XPSVNE3442P	
XPSVNE3742HSP	
XPSVNE3742P	
XPSAXE5120C	
XPSAXE5120P	

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### Product Photos



**New Product – XPS Universal**  
(representative photo – not all look identical)

Existing XPS Ref				Recommended Replacement	Alternative Recommended Replacement
Existing XPS Reference	Description	LTB Date	EOC Date	New XPS or XPSU Range Reference	New XPS or XPSU Range Reference
XPSABV11330C	SAF.MOD.TIME.DELAY.30S.24V.DC	31-12-22	30-07-23	XPSBAT12A1AC	
XPSABV11330P	SAF.MOD.TIME.DELAY.30S.24V.DC	31-12-22	30-07-23	XPSBAT12A1AP	
XPSABV1133C	SAF.MOD.TIME.DELAY.3S.24V.DC	31-12-22	30-07-23	XPSBAT12A1AC	
XPSABV1133P	SAF.MOD.TIME.DELAY.3S.24V.DC	31-12-22	30-07-23	XPSBAT12A1AP	
XPSAC1321	SAFETY MOD.CAT.3.48VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC1321P	SAFETY MOD.CAT.3.48VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC3421	SAFETY MOD.CAT.3.115VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC3421P	SAFETY MOD.CAT.3.115VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC3721	SAFETY MOD.CAT.3.230VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC3721P	SAFETY MOD.CAT.3.230VAC	31-12-22	30-07-23	XPSBAC34AP	
XPSAC5121	SAFETY MOD.CAT.3.24VAC.DC	31-12-22	30-07-23	XPSBAC14AP	
XPSAC5121P	SAFETY MOD.CAT.3.24VAC.DC	31-12-22	30-07-23	XPSBAC14AP	
XPSVNE1142HSP	MOD.DECTECT.V=0.24VDC	31-12-22	30-07-23	XPSUVN11AP	
XPSVNE1142LFP	MOD.DECTECT.V=0.24VDC	31-12-22	30-07-23	XPSUVN11AP	
XPSVNE1142P	MOD.DECTECT.V=0.24VDC	31-12-22	30-07-23	XPSUVN11AP	
XPSVNE3442HSP	MOD.DECTECT.V=0.115V	31-12-22	30-07-23	XPSUVN31AP	
XPSVNE3442LFP	MOD.DECTECT.V=0.115V	31-12-22	30-07-23	XPSUVN31AP	
XPSVNE3442P	MOD.DECTECT.V=0.115V	31-12-22	30-07-23	XPSUVN31AP	
XPSVNE3742HSP	MOD.DECTECT.V=0.24VDC	31-12-22	30-07-23	XPSUVN31AP	
XPSVNE3742P	MOD.DECTECT.V=0.24VDC	31-12-22	30-07-23	XPSUVN31AP	
XPSAXE5120C	SAF.MOD.E.STOP.24V.AC/DC	31-12-22	30-07-23	XPSBAC14AC	
XPSAXE5120P	SAF.MOD.E.STOP.24V.AC/DC	31-12-22	30-07-23	XPSBAC14AP	
XPSCEPE3910C(1)	SAF.MOD.EXT.UNIT.8N.O.115.230V.AC	31-12-22	30-07-23	XPSBAC34AC(2) + XPSBAC34AC(2)	
XPSCEPE3910P(1)	SAF.MOD.EXT.UNIT.8N.O.115.230V.AC	31-12-22	30-07-23	XPSBAC34AP(2) + XPSBAC34AP(2)	
XPSCEPE3930C(1)	SAFETY EXTENSION MODULE, 230VAC, CONTACT	31-12-22	30-07-23	XPSBAC34AC(2) + XPSBAC34AC(2)	
XPSCEPE3930P(1)	SAFETY EXTENSION MODULE, 230VAC, CONTACT	31-12-22	30-07-23	XPSBAC34AP(2) + XPSBAC34AP(2)	
XPSCEPE5131C(1)	SAF.MOD.EXT.UNIT.8N.O.24V.AC/DC	31-12-22	30-07-23	XPSBAC14AC(2) + XPSBAC14AC(2)	
XPSCEPE5131P(1)	SAF.MOD.EXT.UNIT.8N.O.24V.AC/DC	31-12-22	30-07-23	XPSBAC14AP(2) + XPSBAC14AP(2)	
XPSCEPE5130C(1)	SAFETY EXTENSION MODULE, 24V.AC/DC, CONT	31-12-22	30-07-23	XPSBAC14AC(2) + XPSBAC14AC(2)	
XPSCEPE5130P(1)	SAFETY EXTENSION MODULE, 24V.AC/DC, CONT	31-12-22	30-07-23	XPSBAC14AP(2) + XPSBAC14AP(2)	
XPSMP11123(3)	MULTIFUNC SAFETY MOD 24V	31-12-22	30-03-23	XPSUAF13AP(4) + XPSUAF13AP(4)	or XPSUS12AP(4) + XPSUEP14AP(4)
XPSMP11123P(3)	MULTIFUNC SAFETY MOD 24V	31-12-22	30-03-23	XPSUAF13AP(4) + XPSUAF13AP(4)	or XPSUS12AP(4) + XPSUEP14AP(4)
XPSTSA3442P(5)	SAFETY TIMER DELAY FUNCT	31-12-22	30-07-23	XPSUVN31AP(6) or XPSUVN31AP(6)	+ XPSUEP34AP(6)
XPSTSA3742P(5)	SAFETY TIMER DELAY FUNCT	31-12-22	30-07-23	XPSUVN31AP(6) or XPSUVN31AP(6)	+ XPSUEP34AP(6)
XPSTSA5142P(5)	SAFETY TIMER DELAY FUNCT	31-12-22	30-07-23	XPSUVN11AP(6) or XPSUVN11AP(6)	+ XPSUEP34AP(6)
XPSTSW3442P(7)	SAFETY TIMER PULSE FUNCT	31-12-22	30-07-23	XPSUVN31AP(8) or XPSUVN31AP(8)	+ XPSUEP34AP(8)
XPSTSW3742P(7)	SAFETY TIMER PULSE FUNCT	31-12-22	30-07-23	XPSUVN31AP(8) or XPSUVN31AP(8)	+ XPSUEP34AP(8)
XPSTSW5142P(7)	SAFETY TIMER PULSE FUNCT	31-12-22	30-07-23	XPSUVN11AP(8) or XPSUVN11AP(8)	+ XPSUEP34AP(8)

Please refer to the below lines with the explanations according to the written above items (in the substitution table)

① XPSCEPE extension offer has 8NO safety immediate output contacts, 45mm width.  
 ► As an extension > it can be used just with legacy offer  
 ► As stand alone applications > as safety inputs are on the power supply, some customers have used it as stand alone.

② XPSBAC offer has 4NO+1NC safety immediate output contacts, 22.5mm width.  
 ► As an extension > two XPSBAC reach 8NO+2NC safety output contacts.  
 ► As stand alone applications > as safety inputs have the same behaviour as the XPSCEPE, it means, the inputs are on the power supply, customers can use two XPSBAC in same applications, reaching the same number of safety output contacts, safety level and width for the housing.

③ XPSMP offer has the possibility to use with two similar or different safety input devices in a housing of 45mm, having 3NO safety output contact for Function 1 and other 3NO safety output contact for Function 2, power supply of 24VDC.  
 15 configurations can be selected to be used with safety function devices.

④ Below possibilities to be considered, according to the application and safety output contacts:  
**Configurations 1, 2, 7 and 8 (E-stop) & configurations 3 and 4 (Protective guard)**  
 The XPSUAF range has the possibility to use with just one safety input device, in a 22.5mm width housing, having 3NO safety output contacts, and when two safety modules are being used, two similar or different safety input devices can be reached, having 3NO safety output contact for each Function. With XPSUAF range, other possibilities are available, like for OSSD safety devices, and other combinations (for more information, please reach out your Offer manager).  
**Configurations 5 and 6 (Protective guard), configuration 9 (injection or blow moulding machines) & configurations 14 and 15 (Magnetic switch monitoring)**  
 For similar safety functions, the XPSUS range has the possibility to use in a 22.5mm housing, having 2NO safety output contacts, and an addition of an extension module XPSUEP14AP, the number of safety output contacts is extended to 6NO, however all safety output contacts can be used just for one Function.  
**Configurations 10, 11 (Enabling device and safety mat)**  
 For attending both safety functions, a combination of XPSUS + XPSUAK ranges has been necessary. XPSUS range deals with Enabling device, in a 22.5mm width housing, having 2NO safety output contacts & XPSUAK range deals with Safety mat, in a 22.5mm width housing, having 2NO+1NC safety output contacts.  
**Configurations 12, 13 (Safety mat and light curtain)**  
 For attending both safety functions, a combination of XPSUAK + XPSUAF ranges has been necessary. XPSUAK range deals with Safety mat, in a 22.5mm width housing, having 2NO+1NC safety output contacts & XPSUAF range deals with light curtain, in a 22.5mm width housing, having 3NO safety output contacts.

Configuration	From 1 to 15	
Function	1	2
Safety module	XPSMP	
Width housing	45mm	
Number of safety output contacts	3NO	3NO
Power supply	24V	24V
Number of input devices	1	1

Configuration	1, 2, 3, 4, 7 & 8		
Function	1	2	
Safety module	XPSUAF	+	XPSUAF
Width	22.5mm	+	22.5mm
Number of safety output contacts	3NO	3NO	
Power supply	24V or 48...240V	24V or 48...240V	
Number of input devices	1	1	

Configuration	5, 6, 9, 14 & 15		
Function	1 and 2	-	
Safety module	XPSUS	+	XPSUEP
Width	22.5mm	+	22.5mm
Number of safety output contacts	2NO	4NO+1NC	
Power supply	24V or 48...240V	24V or 48...240V	
Number of input devices	2	-	

Configuration	10 & 11		
Function	1	2	
Safety module	XPSUAK	+	XPSUAF
Width	22.5mm	+	22.5mm
Number of safety output contacts	2NO	2NO+1NC	
Power supply	24V or 48...240V	24V or 48...240V	
Number of input devices	1	1	

Configuration	12 & 13		
Function	1	2	
Safety module	XPSUAK	+	XPSUAF
Width	22.5mm	+	22.5mm
Number of safety output contacts	2NO+1NC	3NO	
Power supply	24V or 48...240V	24V or 48...240V	
Number of input devices	1	1	

In other words →

⑤ XPSTSA offer has a time delay until 31s in a 45mm width, and it has been used in applications with interlocking on high inertia machines with long rundown time (guards unlocked after safety time delay has elapsed), being used with XPSVNE. However, the safety output contacts have their status changed once the time delay is elapsed, and coming back once the power supply is restarted by the input. Which maximum achievable safety level is PL d/Category 3 conforming to EN/ISO 13849-1, SILCL 2 conforming to EN/IEC 62061

⑥ XPSUVN safety module has a time delay from 0 to 900s in a 22.5mm width, and it uses an adjustable activation delay. The activation delay is the period between the point in time at which the measured voltage drops below the adjusted voltage threshold and the point in time at which activation of the safety-related output is triggered, which matches the same function as the XPSTSA. The maximum achievable safety level for XPSUVN is PL e/Category 3 conforming to ISO 13849-1, SILCL 3 conforming to IEC 62061 & SIL 3 conforming to IEC 61508. In order to complement the number of output contacts, the XPSUEP must be added, which them both mounted reaches 45mm width.

⑦ XPSTSW offer has a time delay until 31s in a 45mm width, and it has been used in applications requiring safety time delays: applications with a safety switchover contact (shunting contact in association with XPSVN modules for zero speed detection, solenoid valve monitoring, etc.). Which maximum achievable safety level is PL d/Category 3 conforming to EN/ISO 13849-1, SILCL 2 conforming to EN/IEC 62061

⑧ XPSUVN safety module has a time delay from 0 to 900s in a 22.5mm width, and it uses an adjustable activation delay. The activation delay is the period between the point in time at which the measured voltage drops below the adjusted voltage threshold and the point in time at which activation of the safety-related output is triggered, which matches the same function as the XPSTSA. The maximum achievable safety level for XPSUVN is PL e/Category 3 conforming to ISO 13849-1, SILCL 3 conforming to IEC 62061 & SIL 3 conforming to IEC 61508. In order to complement the number of output contacts, the XPSUEP must be added, which them both mounted reaches 45mm width.



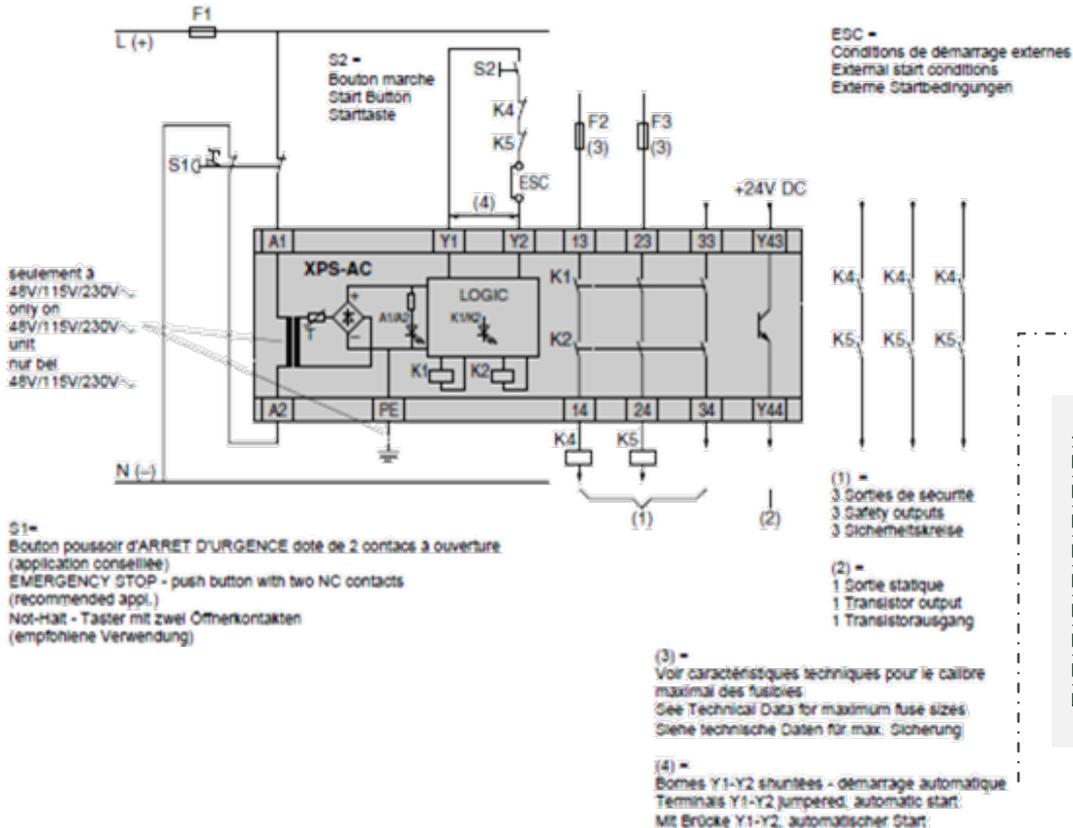
## Harmony safety modules renewal step 2

02nd March 2020, M. Haliseva

# XPSBAC – replacement for XPSAC

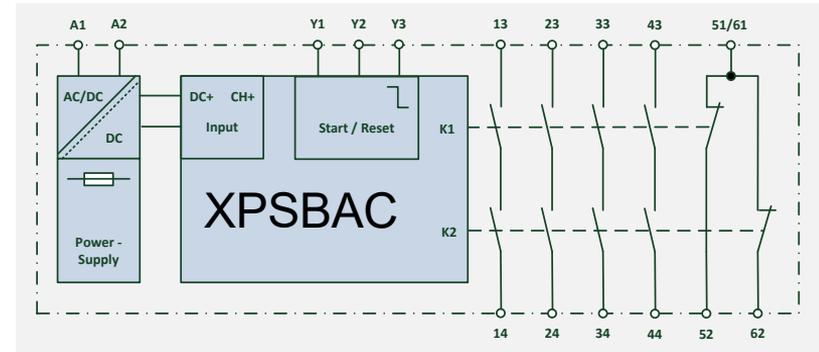
	XPSBAC	XPSAC
References	4 references: - 2 voltage variants - 2 screw & spring removable terminal variants	8 references: - 4 voltage variants - 2 fixed & removable screw terminal variants
Supply voltages	24V AC/DC & 48-240V AC/DC	24V AC/DC, 48V AC, 115V AC & 230 V AC
Function	No rotary switch - Emergency stop button - Mechanical guard switch - Extending the number of safety contacts	No rotary switch - Emergency stop button - Mechanical guard switch
Start Input	Automatic, manual & monitored Start, with 3 terminals	Automatic & manual start, with 2 terminals
Safety Inputs	0	0
Control outputs	1 pulsed output	No pulsed output
Safety Outputs	4 redundant NO, 1 redundant NC	3 redundant NO
Safe expansion connection	NO	NO
Category	Cat. 3, with additional measures Cat. 4	Cat. 3, with additional measures Cat. 4
Auxiliary Output	0	1
Terminals	16	13
Housing	22.5 mm	22.5 mm

# XPSBAC – replacement for XPSAC



A1	13	23	33
14	24	Y1	Y2
<b>XPSAC</b>			
A1	14	24	34
A2	PE	Y43	Y44

A1	13	23	33
Y1	Y2	51/61	43
<b>XPSBAC</b>			
Y3	52	62	44
A2	14	24	34



# XPSBAC – replacement for XPSAXE

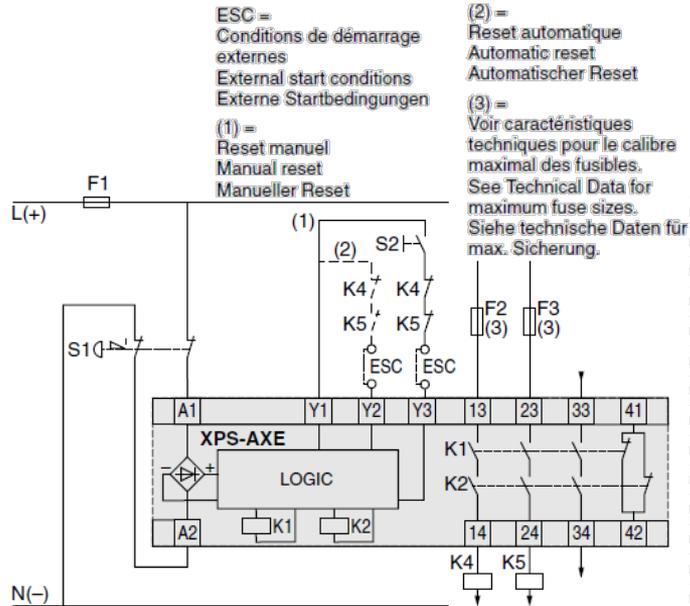
	XPSBAC	XPSAXE
References	4 references: - 2 voltage variants - 2 screw & spring removable terminal variants	2 references: - no voltage variants - 2 fixed & removable screw terminal variants
Supply voltages	24V AC/DC & 48-240V AC/DC	24V AC/DC
Function	No rotary switch - Emergency stop button - Mechanical guard switch - Extending the number of safety contacts	No rotary switch - Emergency stop button - Mechanical guard switch
Start Input	Automatic, manual & monitored Start, with 3 terminals	Automatic, manual & monitored Start, with 3 terminals
Safety Inputs	0	0
Control outputs	1 pulsed output	No pulsed output
Safety Outputs	4 redundant NO, 1 redundant NC	3 redundant NO, 1 redundant NC
Safe expansion connection	NO	NO
Category	Cat. 3, with additional measures Cat. 4	Cat. 3, with additional measures Cat. 4
Auxiliary Output	0	0
Terminals	16	13
Housing	22.5 mm	22.5 mm

# XPSBAC – replacement for XPSAXE

S1=  
Bouton poussoir d'ARRET  
D'URGENCE doté de 2 contacts à  
ouverture (application conseillée)  
EMERGENCY STOP - push button  
with two NC contacts  
(recommended appl.)  
NOT AUS - Taster mit zwei  
Öffnerkontakten  
(empfohlene Verwendung)

S2 =  
Bouton marche  
Start Button  
Starttaste

Fig.1



ESC =  
Conditions de démarrage  
externes  
External start conditions  
Externe Startbedingungen

(1) =  
Reset manuel  
Manual reset  
Manueller Reset

(2) =  
Reset automatique  
Automatic reset  
Automatischer Reset

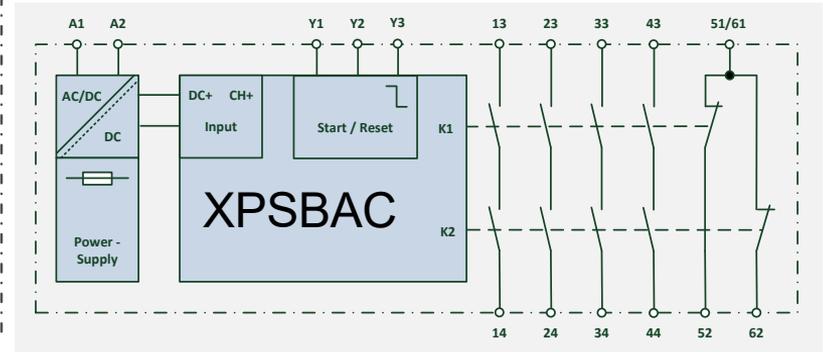
(3) =  
Voir caractéristiques  
techniques pour le calibre  
maximal des fusibles.  
See Technical Data for  
maximum fuse sizes.  
Siehe technische Daten für  
max. Sicherung.

13	23	33	Y3
A1	A1	Y1	Y2

XPSAXE

41	42	A2	A2
14	24	34	

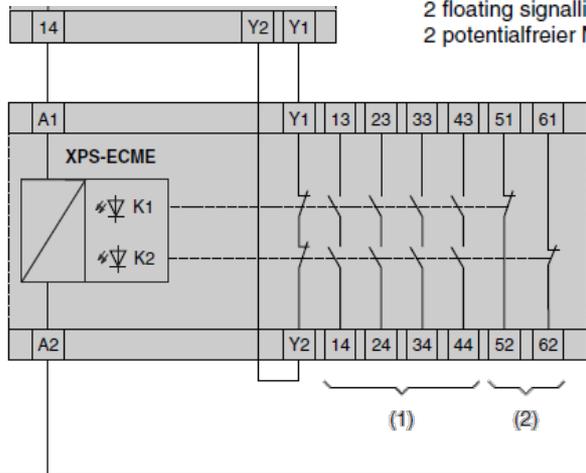
A1	13	23	33
Y1	Y2	51/61	43
XPSBAC			
Y3	52	62	44
A2	14	24	34



	XPSBAC	XPSECME
References	4 references: - 2 voltage variants - 2 screw & spring removable terminal variants	4 references: - no voltage variants, with and without CCC - 2 fixed & removable screw terminal variants
Supply voltages	24V AC/DC & 48-240V AC/DC	24V AC/DC
Function	No rotary switch - Emergency stop button - Mechanical guard switch - Extending the number of safety contacts	No rotary switch - Extending the number of safety contacts
Start Input	Automatic, manual & monitored Start, with 3 terminals	No start
Safety Inputs	0	0
Control outputs	1 pulsed output	No pulsed output
Safety Outputs	4 redundant NO, 1 redundant NC	4 redundant NO, 2 redundant NC
Safe expansion connection	NO	NO
Category	Cat. 3, with additional measures Cat. 4	Cat. 3, with additional measures Cat. 4
Auxiliary Output	0	0
Terminals	16	13
Housing	22.5 mm	22.5 mm

# XPSBAC – replacement for XPSECME for self standing applications or extending XPSB\*

- (1) = 4 sorties de sécurité, libres de potentiel  
4 floating safety outputs  
4 potentialfreie Sicherheitsausgänge
- (2) = 2 sortie de signalisation, libre de potentiel  
2 floating signalling output  
2 potentialfreier Meldeausgang



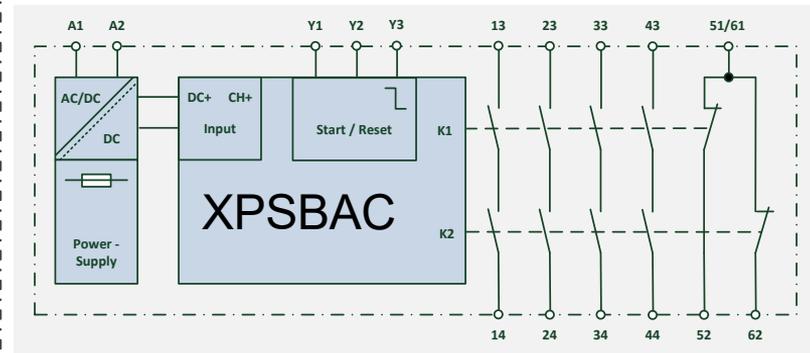
N(-)

13	23	33	61
A1	Y1	Y2	51

XPSECME

43	44	52	A2
14	24	34	62

A1	13	23	33
Y1	Y2	51/61	43
XPSBAC			
Y3	52	62	44
A2	14	24	34



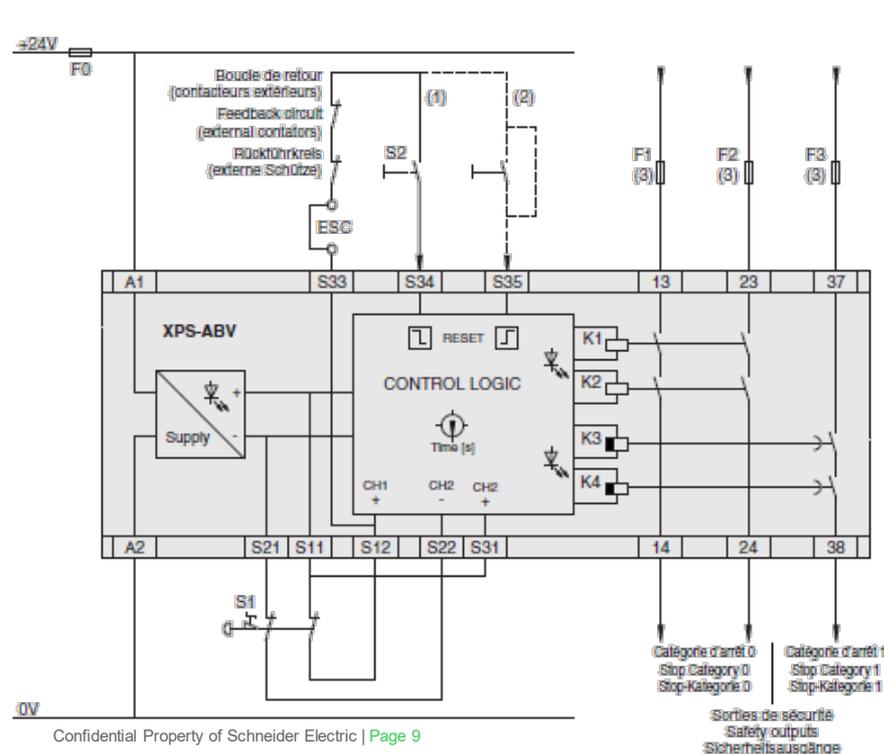
# XPSBAT – replacement for XPSABV

	XPSBAT	XPSABV
References	2 references: - 1 voltage variant, 1 time delay variant - 2 screw & spring removable terminal variants	4 references: - 1 voltage variants, 2 time delay variants - 2 variants with fixed & removable screw terminal
Supply voltages	24V AC/DC	24V DC
Function	<ul style="list-style-type: none"> <li>- Emergency stop button</li> <li>- Mechanical guard switch</li> <li>- Magnetic switch with equivalent contacts</li> <li>- Safety proximity switch with equivalent contacts</li> <li>- PNP sensor pair</li> <li>- OSSD pair</li> </ul>	<ul style="list-style-type: none"> <li>- Emergency stop button</li> <li>- Mechanical guard switch</li> </ul>
Start Input	Automatic, manual & monitored Start	Automatic, manual & monitored start
Safety Inputs	2	2
Control outputs	2 ON/OFF configurable pulsed output	2 Constant supply.
Safety Outputs	All redundant, immediate: 2 NO; delayed: 1 NO.	All redundant, immediate: 2 NO; delayed: 1 NO.
Safe expansion connection	NO	NO
Category	All Cat. 4	All Cat. 4
Auxiliary Output	Yes 1 SSD, high only when the time delay is running.	NO
Time setting	0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9(10 steps)(x1, x10, x100, x1000) = 0.1 s...15 min	0,15 ... 3 s or 1,5 ... 30 s without steps
Terminals; housing	16; 22.5 mm	16; 22.5 mm

# XPSBAT – replacement for XPSABV

- 22.5 mm housing with 8 LEDs and 2 potentiometers
- 24 V AC/DC XPSBAT12A1AC/P
- Configuration: timing like XPSUAT, start with terminals, dynamization on/off for all inputs combined with delay factor

- 2 NO + 1 delayed NO
- Auxiliary output Z1



S1-  
Bouton poussoir d'ARRET  
D'URGENCE doté de 2 contacts  
à ouverture  
EMERGENCY STOP - push  
button with two NO contacts  
No-fault - Taster mit zwei  
Öffnerkontakten

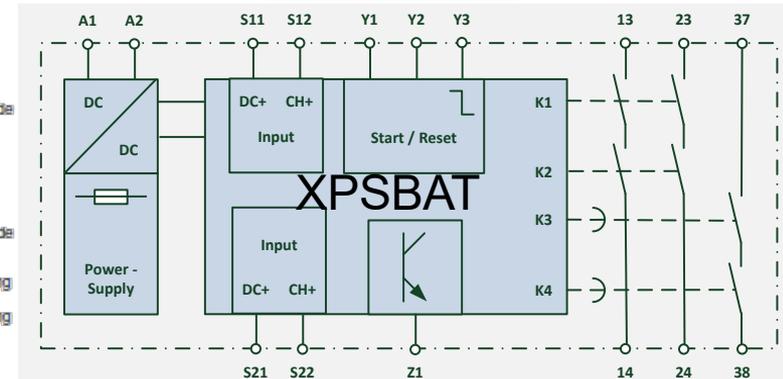
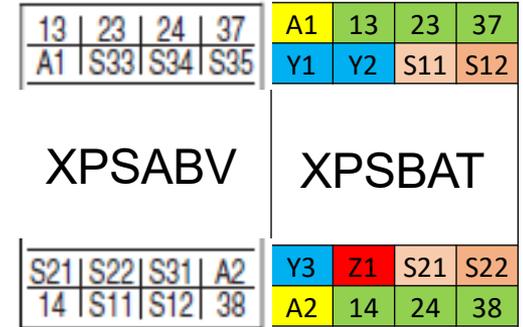
S2-  
Bouton marche  
Start Button  
Starttaste

ESC-  
Conditions de démarrage  
externes  
External start conditions  
Externe Startbedingungen

(1)-  
Avec surveillance du bouton de  
démarrage  
With monitoring of the start  
button  
Mit Starttasterüberwachung

(2)-  
Sans surveillance du bouton de  
démarrage ou démarrage  
automatique  
Without start button monitoring  
or automatic start  
Ohne Starttaster Überwachung  
oder automatischem Start.

(3)-  
Voir caractéristiques techniques  
pour le calibre  
maximal des fusibles.  
See Technical Data for  
maximum fuse sizes.  
Siehe technische Daten für  
maxi/Sicherung.



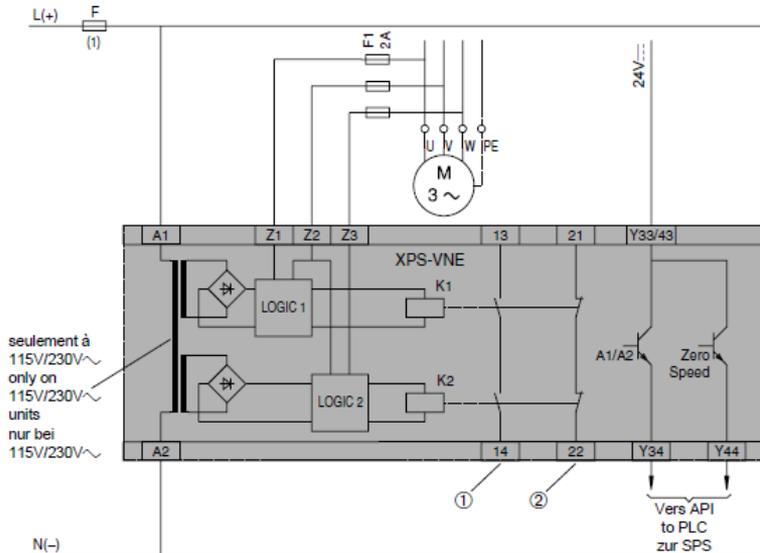
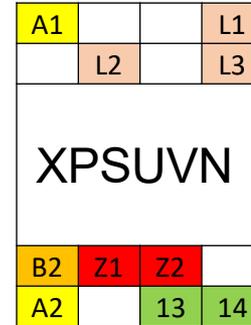
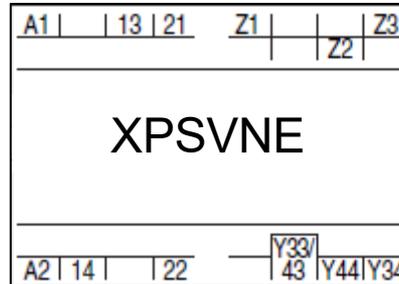
Life Is On

Schneider  
Electric

# XPSUVN – replacement for XPSVNE

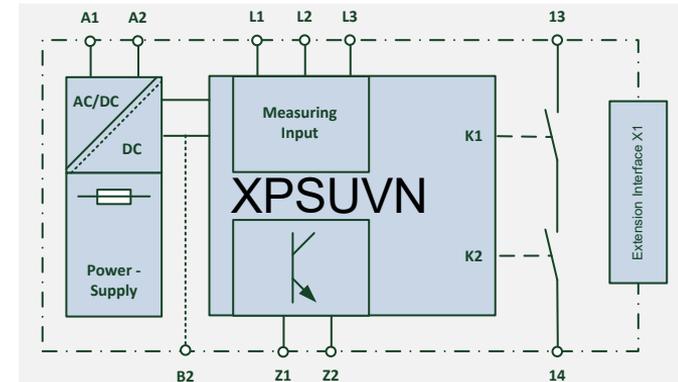
	XPSUVN	XPSVNE
References	4 references: - 2 voltage variants - 2 screw & spring removable terminal variants	7 references: - 3 voltage variants, 2 speed range variants 1 robustness variant for 24 V DC - 1 removable screw terminal variants
Supply voltages	24V AC/DC & 48-240V AC/DC	24V DC, 115V AC & 230 V AC
Function	- Zero speed monitoring: 50, 65, 85, 110, 140, 180, 230, 300, 400 & 500 mV - Time delay to ensure real zero speed: 0.5, 1, 2, 3, 5, 8, 12, 20, 35 & 60	- Zero speed monitoring: 0.01...0.1 V without steps
Start Input	Automatic	Automatic
Safety Inputs	0	0
Control outputs	No pulsed output	No pulsed output
Safety Outputs	1 redundant NO	1 redundant NO, 1 redundant NC
Safe expansion connection	YES	NO
Category	Cat. 4	Cat. 4
Auxiliary Output	1 ssd diagnostic output with complete status information, 1 ssd	2 ssd
Terminals	16	16
Housing	22.5 mm	45 mm

# XPSUVN – replacement for XPSVNE



(1) =  
Voir caractéristiques techniques pour le calibre maximal des fusibles.  
See Technical Data for maximum fuse sizes.  
Siehe technische Daten für max. Sicherung.

- ① Libération en cas d'arrêt  
Unlocking at zerospeed  
Freigabe bei Stillstand
- ② Moteur en marche  
Motor is running  
Motor läuft



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# DO PWP Preventa XPS step 2

Replacement references

Presented by: Sergio Moretto



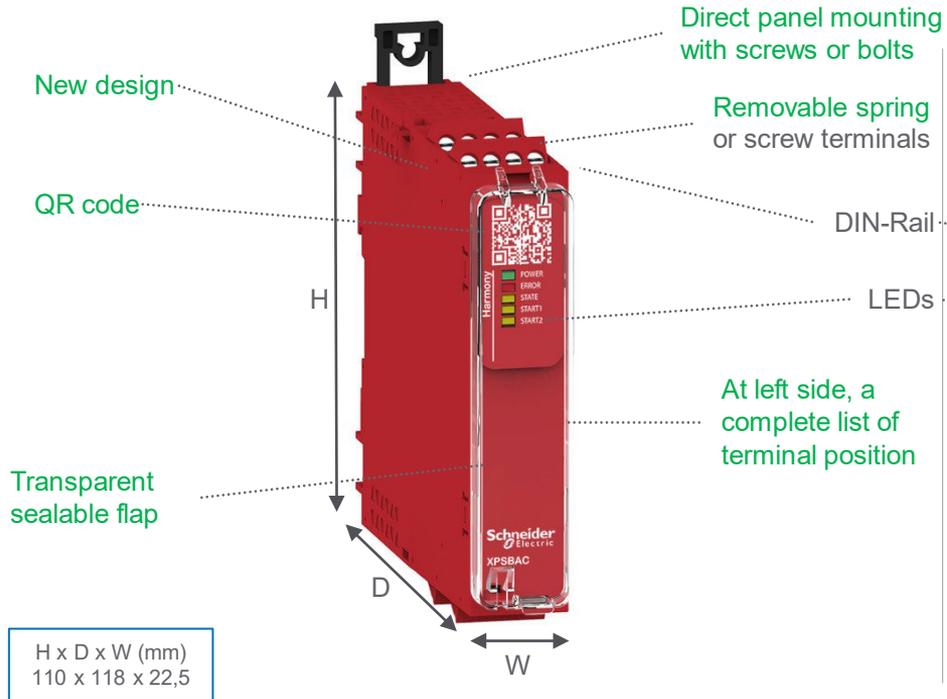
# Substitution of Preventa XPS step 2

1	New offer Harmony XPS
2	Substitution (Wiring & technical characteristics)

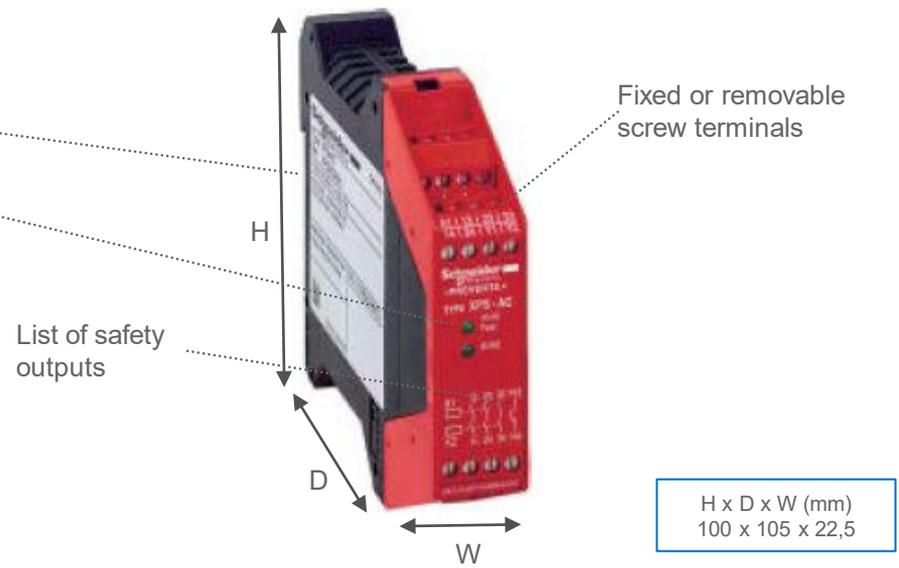
# New offer Harmony XPS



# Substitution of Preventa XPS step 2

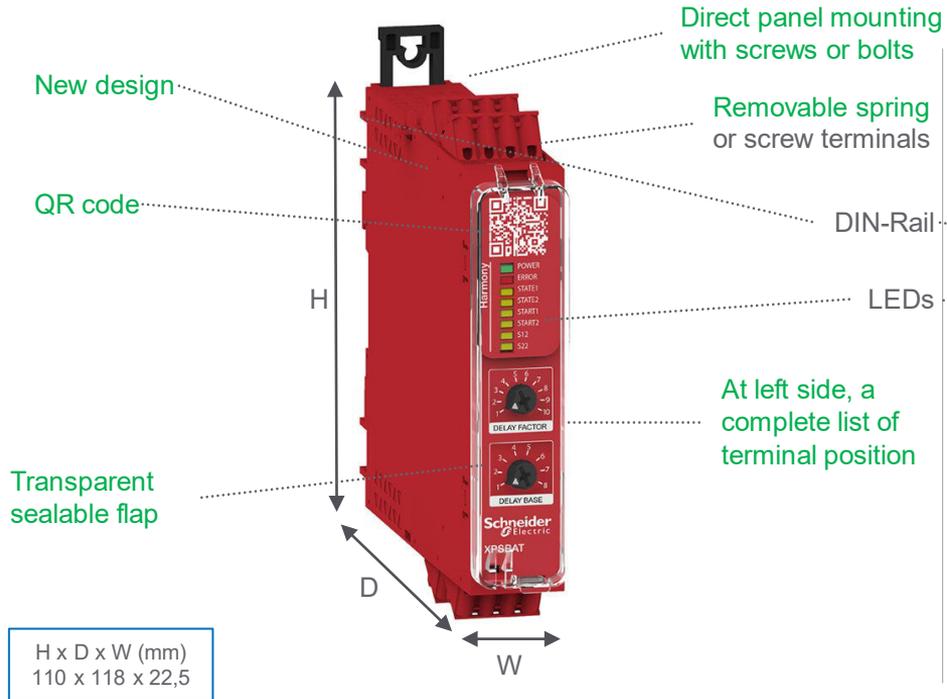


Harmony XPSBAC safety module

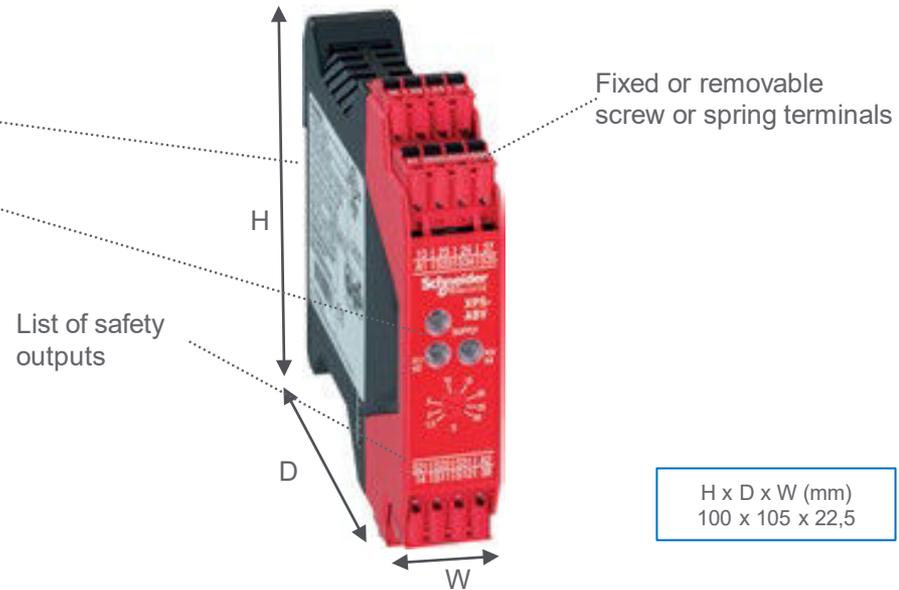


Existing Preventa XPSAC safety module

# Substitution of Preventa XPS step 2

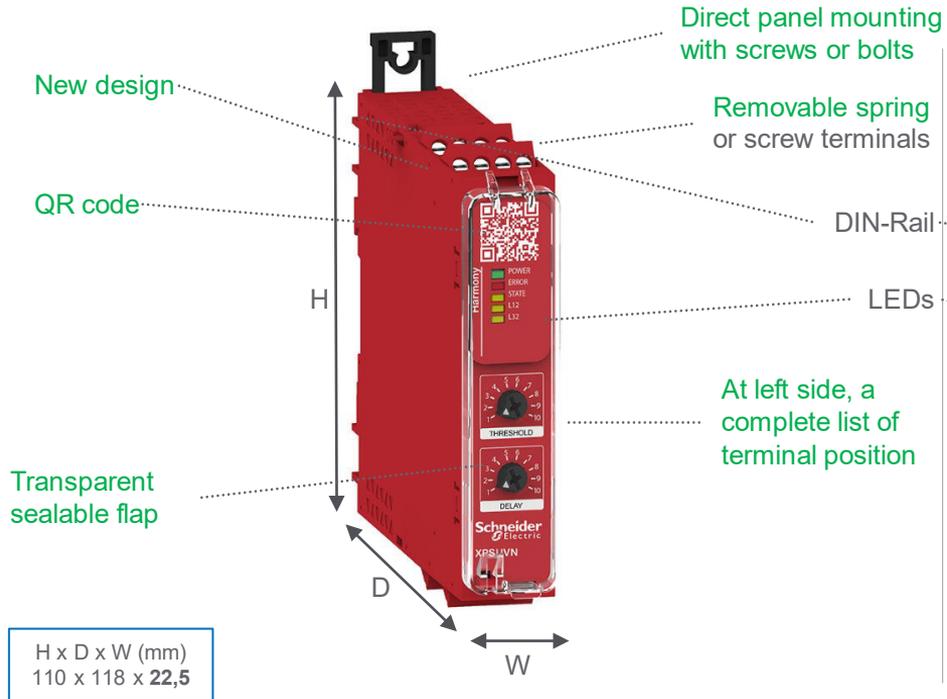


**Harmony XPSBAT safety module**

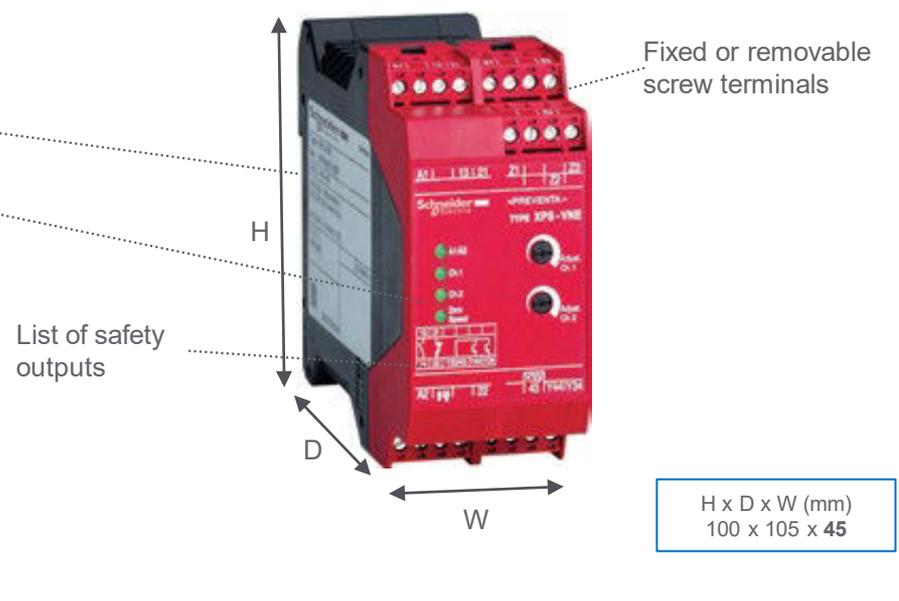


**Existing Preventa XPSABV safety module**

# Substitution of Preventa XPS step 2



Harmony XPSUVN safety module



Existing Preventa XPSVNE safety module

# Substitution of Preventa XPS step 2

## Harmony XPS - New commercial references

Commercial Reference	Product description
XPSBAC14AC	Estop, guard, 24 V no inputs spring
XPSBAC14AP	Estop, guard, 24 V no inputs screw
XPSBAC34AC	Estop, guard, 48-240 V no inputs spring
XPSBAC34AP	Estop, guard, 48-240 V no inputs screw
XPSBAT12A1AC	Estop, guard, OSSD, PNP/PNP 24 V spring
XPSBAT12A1AP	Estop, guard, OSSD, PNP/PNP 24 V screw
XPSUVN11AC	Zero speed monitoring 24 V spring
XPSUVN11AP	Zero speed monitoring 24 V screw
XPSUVN31AC	Zero speed monitoring 48-240 V spring
XPSUVN31AP	Zero speed monitoring 48-240 V screw



# Substitution

## Substitution

# Substitution of Preventa XPS step 2

XPSBAC



XPSUVN



XPSBAT



XPSBAC + XPSBAC



\* XPSUAF + XPSUAF



XPS-AC -AXE



-VNE -TSA -TSW



-ABV



-ECPE



-MP



\* According to the safety functions

# Substitution of Preventa XPS step 2

## Substitution of existing modules 1/2

Existing Reference	New Reference
XPSABV11330C	XPSBAT12A1AC
XPSABV11330P	XPSBAT12A1AP
XPSABV1133C	XPSBAT12A1AC
XPSABV1133P	XPSBAT12A1AP
XPSAC1321	XPSBAC34AP
XPSAC1321P	XPSBAC34AP
XPSAC3421	XPSBAC34AP
XPSAC3421P	XPSBAC34AP
XPSAC3721	XPSBAC34AP
XPSAC3721P	XPSBAC34AP
XPSAC5121	XPSBAC14AP
XPSAC5121P	XPSBAC14AP
XPSVNE1142HSP	XPSUVN11AP
XPSVNE1142LFP	XPSUVN11AP
XPSVNE1142P	XPSUVN11AP
XPSVNE3442HSP	XPSUVN31AP
XPSVNE3442LFP	XPSUVN31AP
XPSVNE3442P	XPSUVN31AP
XPSVNE3742HSP	XPSUVN31AP
XPSVNE3742P	XPSUVN31AP
XPSAXE5120C	XPSBAC14AC
XPSAXE5120P	XPSBAC14AP

Commercial reference subject to PWP step 2	Comment by Marketing	New commercial reference	Comment by Matti, all with removable terminals: *C = spring; *P=screw terminals	Conclusion
XPSABV11330C	1.5...30 sec delay, only potential free inputs	XPSBAT12A1AC	0...900 sec delay, also solid-state inputs on top of potential free ones. Also, price benefit, as legacy was brand labelled from Wieland Electric.	Substitutes completely and new remarkable features added on top
XPSABV11330P		XPSBAT12A1AP		
XPSABV1133C	0.15...3 sec delay, only potential free inputs	XPSBAT12A1AC		
XPSABV1133P		XPSBAT12A1AP		
XPSAC1321		Fixed spring terminals		
XPSAC1321P	3 NO output	Removable spring terminals	XPSBAC34AP	
XPSAC3421		Fixed spring terminals	XPSBAC34AP	
XPSAC3421P		Removable spring terminals	XPSBAC34AP	
XPSAC3721		Fixed spring terminals	XPSBAC34AP	
XPSAC3721P		Removable spring terminals	XPSBAC34AP	
XPSAC5121		Fixed spring terminals	XPSBAC14AP	
XPSAC5121P	Removable spring terminals	XPSBAC14AP		
XPSAXE5120C	3 NO + 1 NC output	XPSBAC14AC	4 NO + 1 NC output. Also, price benefit, as legacy was brand labelled from Wieland Electric.	
XPSAXE5120P		XPSBAC14AP		
XPSVNE1142HSP	No time delay included(must be implemented with another device) + 3 variants for different supply voltages x 3 variants for different frequency ranges.	XPSUVN11AP	Time delay included + 2 variants for different supply voltages, no variants for different frequency ranges.	
XPSVNE1142LFP		XPSUVN11AP		
XPSVNE1142P		XPSUVN11AP		
XPSVNE3442HSP		XPSUVN31AP		
XPSVNE3442LFP		XPSUVN31AP		
XPSVNE3442P		XPSUVN31AP		
XPSVNE3742HSP		XPSUVN31AP		
XPSVNE3742P		XPSUVN31AP		

10 CR instead of 22

# Substitution of Preventa XPS step 2

## Substitution of other existing modules 2/2

Existing Reference	New Reference		
XPSECPE3910C	XPSBAC34AC + XPSBAC34AC		
XPSECPE3910P	XPSBAC34AP + XPSBAC34AP		
XPSECPE3930C	XPSBAC34AC + XPSBAC34AC		
XPSECPE3930P	XPSBAC34AP + XPSBAC34AP		
XPSECPE5131C	XPSBAC14AC + XPSBAC14AC		
XPSECPE5131P	XPSBAC14AP + XPSBAC14AP		
XPSECPE5130C	XPSBAC14AC + XPSBAC14AC		
XPSECPE5130P	XPSBAC14AP + XPSBAC14AP		
XSMP11123 <sup>③</sup>	XPSUAF13AP + XPSUAF13AP	or	XPSUS12AP + XPSUEP14AP <sup>④</sup> or XPSU combination <sup>④</sup>
XSMP11123P <sup>③</sup>	XPSUAF13AP + XPSUAF13AP	or	XPSUS12AP + XPSUEP14AP <sup>④</sup> or XPSU combination <sup>④</sup>
XPSTA3442P <sup>⑤</sup>	XPSUVN31AP <sup>⑥</sup>	or	XPSUVN31AP + XPSUEP34AP <sup>⑥</sup>
XPSTA3742P <sup>⑤</sup>	XPSUVN31AP <sup>⑥</sup>	or	XPSUVN31AP + XPSUEP34AP <sup>⑥</sup>
XPSTA5142P <sup>⑤</sup>	XPSUVN11AP <sup>⑥</sup>	or	XPSUVN11AP + XPSUEP14AP <sup>⑥</sup>
XPSTSW3442P <sup>⑦</sup>	XPSUVN31AP <sup>⑧</sup>	or	XPSUVN31AP + XPSUEP34AP <sup>⑧</sup>
XPSTSW3742P <sup>⑦</sup>	XPSUVN31AP <sup>⑧</sup>	or	XPSUVN31AP + XPSUEP34AP <sup>⑧</sup>
XPSTSW5142P <sup>⑦</sup>	XPSUVN11AP <sup>⑧</sup>	or	XPSUVN11AP + XPSUEP14AP <sup>⑧</sup>

# Substitution of Preventa XPS step 2

## Substitution files – Wiring characteristics

Substitution files available, which will be shared through:

- SE.com/Global
- CCC Levels 1, 2 and 3, under FAQ



Acrobat Document

XPSBAC\_AC\_AXE



Acrobat Document

XPSBAT\_ABV



XPSUVN\_VNE

XPSUVN\_VNE

Under preparations

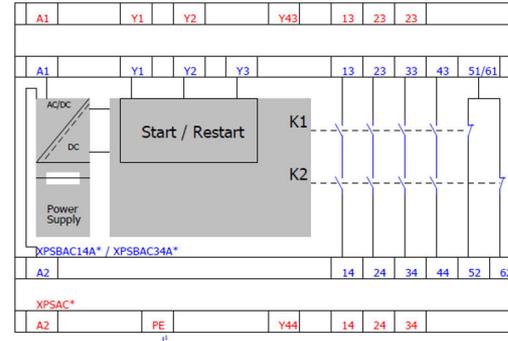
XPSTSA\_TSW\_to\_UVN

XPSECPE\_to\_BAC

XPSTSA\_TSW\_to\_UVN

XPSAC is replaced by XPSBAC

XPSAC



XPSBAC



# Substitution of Preventa XPS step 2

## Substitution files – Technical characteristics

### Substitution according to technical characteristics



Harmony XPS

Harmony XPS complete offer

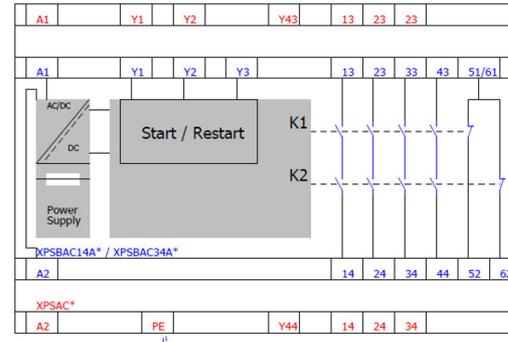
Harmony XPS step 2 technical features vs Preventa  
**Under preparations**

XPSAC is replaced by XPSBAC

XPSAC

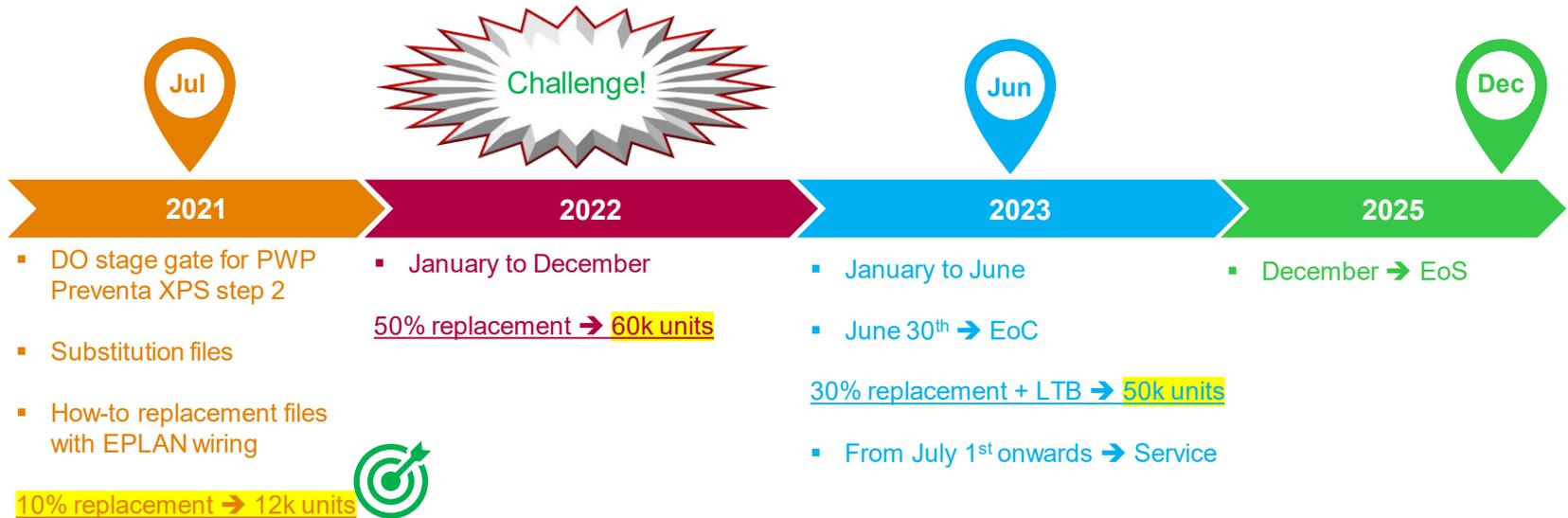


XPSBAC



# PWP Preventa XPS step 2

## Planning according to Management



A smiling man with glasses on his head, wearing a light purple shirt, is sitting at a desk in an office. He is looking towards the left of the frame. In front of him is a laptop. To his right is a blue filing cabinet with a white paper holder. The background is slightly blurred, showing office shelves and a poster with a diagram.

THANK YOU.

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# Harmony XPS Safety Module Technical features



SCHNEIDER ELECTRIC

Harmony (Preventa) Renewal step 1 & 2 (Nbr of available references)		XPSUAB (4 refs)	XPSUAF (4 refs)	XPSUAK (4 refs)	XPSUJS (4 refs)	XPSUAT (4 refs)	XPSUDN (4 refs)	XPSUEP (4 refs)	XPSBAC (4 refs)	XPSBAT (2 refs)	XPSUVN (4 refs)
XPS existing safety module ranges	Note: (1) - For stand alone and extension of safety contacts. Please refer to the Replacement files for more information. (2) - Please refer to the Replacement files with all the technical information. (3) - Please refer to the Replacement files with all the technical information.	XPSBAE	XPSBAF XPSBAFL XPSBAP (3)	XPSBAK	XPSBVC XPSBCE XPSBFF XPSBMB	XPSBAR XPSBATE XPSBAV	XPSDME	XPSCEME	XPSBAC XPSBAE XPSBCE (1)	XPSBAV	XPSVNE XPSBTA XPSBTW (2)
	Category	1	4	4	4	4	4	4	4	4	3
Safety	SIL / SIL CL	1	3	3	3	3	3	3	3	3	3
	PL	c	e	e	e	e	e	e	e	e	e
Supply Voltage	DC										
	24V										
	48V										
	AC										
	110V										
	115V										
AC/DC	120V										
	230V										
	24V	•	•	•	•	•	•	•	•	•	•
	24...240V	•	•	•	•	•	•	•	•	•	•
Number of outputs	Immediate Safety	NO	1NO	3NO	2NO	2NO	3NO	3NO	4NO	4NO	2NO
	Delayed Safety	NC	1NC	1NC	1NC	1NC	1NC	1NC	1NC	1NC	1NO
	Auxiliar	NC	1NC						2NC	2NC	
	Smart pulsed		1	1	1	1	1				1
Delay time					0s...900s					0...900s	0.1s...60s
Threshold voltage											50...500mV
Number of safety inputs		2	2	2	4	2	12	safety output expansion	-	2	3-phase
Safe expansion connection on side		NO	YES	YES	YES	YES	YES	YES	NO	NO	YES
Housing width	mm	22.5	22.5	22.5	22.5	45	45	22.5	22.5	22.5	22.5
Terminal connection	Fixed										
	Removable		•	•	•	•	•	•	•	•	•
Safety Function Monitoring	Spring	•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
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		•	•	•	•	•	•	•	•	•	•
		•	•	•	•	•	•	•	•	•	•
Time delay monitoring										• (From 0...900s)	
Standstill monitoring of 3-phase motors with activation delay											• (From 0.5...50s)
Safety expansion connector only		•	•	•	•	•	•	• (except for XPSUAB & XPSB*)			•