

Ex-Checklist Customer inquiry

Geltungsbereich: SEW-Group

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If you have not received all the pages, please let us know as quickly as possible. Thank you.

Information needed for determining unit properties / unit categories for use in potentially explosive atmospheres.

Offer- / Order No., Pos.:						
1) The offer will be created according to your selection, standard is "ATEX". If deviating (eg IECEx, CCCEX) or additional approvals (eg: EAC_Ex) are necessary, please tick or indicate in the note field!						
Basic-approval:	ATEX <input type="checkbox"/>		IECEX <input type="checkbox"/>		CCCEX <input type="checkbox"/>	
Suppl. approval:	EAC_Ex <input type="checkbox"/>	Ukraine <input type="checkbox"/> UA.TR	Brazil <input type="checkbox"/> INMETRO	South Korea <input type="checkbox"/> KOSHA	Comments:	
2) Equipment group I acc. to guideline 2014/34/EU (equipment category M 1 or M 2)						
M1			M2 <input type="checkbox"/>			
3) equipment group II acc. to guideline 2014/34/EU (equipment category 1, 2 or 3 respectively Zone classification)						
Equip. protec. level / EPL	Gas Zone acc. to IEC / EN 60079-10-1			Dust Zone acc. to IEC / EN 60079-10-2		
Ga / Da	0			20		
Gb / Db	1 <input type="checkbox"/>			21 <input type="checkbox"/>		
Gc / Dc	2 <input type="checkbox"/>			22 <input type="checkbox"/>		
4) group acc. to IEC / EN 60079-0 or IEC / EN 80079-36						
Group I <input type="checkbox"/> (intended for use in mine operations endangered by mine gas and / or dusts, acc. equipment group I)						
II or III	Group II explosive gas atmospheres, acc. to. equipment group II			Group III explosive dust atmospheres, acc. to. equipment group III		
A, B, or C	IIA <input type="checkbox"/>	IIB <input type="checkbox"/>	IIC <input type="checkbox"/>	IIIA <input type="checkbox"/>	IIIB <input type="checkbox"/>	IIIC <input type="checkbox"/>
5) Definition of the temperature class / surface temperature						
Temperature class				Surface temperature		
T3 <input type="checkbox"/>		T4 <input type="checkbox"/>	T__	T_____°C		
6) (optional)						
a) Operation mode		b) Type of protection motor		c) Type of protection terminal box		
Mains <input type="checkbox"/> operation	Inverter <input type="checkbox"/> duty	Increased safety <input type="checkbox"/> "Ex e"	Flameproof <input type="checkbox"/> "Ex d"	Increased safety <input type="checkbox"/> "Ex e"	Flameproof <input type="checkbox"/> "Ex d"	
Company			Place, date			
Name			Signature			

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Terminology:

- 1) Selection of the necessary approval
- 2) If the units are to be used in below-ground mining operations, please select accordingly. If yes, cross the M2 box. If no, continue with point 3). Equipment category M1 is not available.
- 3) Selection of equipment category, respectively zone in which the units are used. Equipment category 1 (zone 0 and zone 20) is not available.
- 4) For further specification of your required Ex-drive, please specify here which gas (Group II), or which type of dust (Group III) prevails with you.
- 5) Definition of the temperature class for gas or surface temperature for dust atmosphere- for which your drive should be suitable:
T1: $\leq 450\text{ }^{\circ}\text{C}$
T2: $\leq 300\text{ }^{\circ}\text{C}$
T3: $\leq 200^{\circ}\text{C}$
T4: $\leq 135\text{ }^{\circ}\text{C}$
T5: $\leq 100^{\circ}\text{C}$
T6: $\leq 85^{\circ}\text{C}$
- 6) Optional information for the specification of your drive. If you don't check a box at a) operational mode, mains operation will be assumed. b) and c) are relevant for the selection of the electric motor.