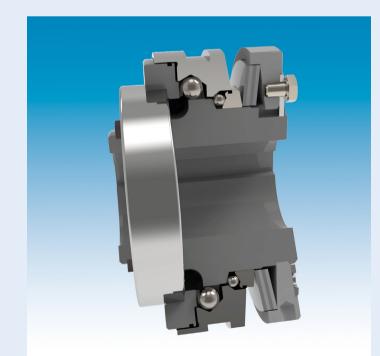


EAS®-element clutch / EAS®-dutytorque / EAS®-HT: CE W II 3G Ex h IIC T4 -15 °C≤Ta≤+80 °C Gc CE W II 3D Ex h IIIC T150 °C -15 °C≤Ta≤+80 °C Dc



Torque limiter in enclosed housing EAS®-HTL: CE W II 2G Ex h IIC T5 -15 °C≤Ta≤+80 °C Gb CE W II 2D Ex h IIIC T110 °C -15 °C≤Ta≤+80 °C Db



Torque limiter EAS®-Compact® overload clutch: CE W II 2G Ex h IIC T5 -15 °C≤Ta≤+80 °C Gb CE ⓑ II 2D Ex h IIIC T110 °C -15 °C≤Ta≤+80 °C Db The clutch marking can deviate dependent on the design of the shaft-Please observe the respective ATEX Installation and Operational



your reliable partner EX.V07.EN 16/07/2021 TK/GH/MD/SU

## Mayr ATEX-certified products

 $\langle \xi_{\rm X} \rangle$  -marking for equipment in areas where there is a danger of explosion acc. Directives 2014/34/EU (ATEX) and

## Our experts are available to assist you with application-specific designs

		<del></del>	rotection type		
a) Standards f	or electrical equi	pment ir	n areas where there is a da	nger of explosior	1
Ignition protection type	Marking	Symbol	Protective principle	Zone	EN/IEC
General regulations	-		-	-	60079-0
Flameproof enclosure	Ex d	Prevents further transmiss of explosion to the outside		1/2	60079-1
Increased safety	Ex eb / ec	×	Prevents sparks and high temperatures	1/2	60079-7
Intrinsic safety	Ex ia / ib / ic	Energy limitation of sparks and temperatures		0 / 1 / 2 / 20 / 21 / 22	60079-11
Pressurized encapsulation	Ex pv / px / py / pz	Separates explosive atmosphe from ignition source		1/2	60079-2
Encapsulation	Ex ma / mb / mc	a / mb / mc Separates explosive atmosp from ignition source		0 / 1 / 2 / 21 / 22	60079-18
Oil immersion	Ех о	Separates explosive from ignition source		1/2	60079-6
Powder filling	Ex q	*	Prevents further transmission of explosion to the outside	1/2	60079-5
Ignition protection type "n"	Ex nC / nR		Different protective principles for Zone 2	2	60079-15
Protection by enclosure	Ex ta / tb / tc		Separates explosive atmosphere from ignition source	21 / 22	60079-31
Pressurized encapsulation	Ех р		Separates explosive atmosphere from ignition source	21 / 22	61241-4
b) Standards for	non-electrical ed	quipmen	t in areas where there is a	danger of explosi	ion
Ignition protection type	Marking	Symbol	Protective principle	Zone	EN/IEC
Basic method and requirements	-		-	0/1/2	80079-36
Protection by flow restricting enclosure	fr		Prevents further transmission of explosion to the outside	12/22	
Flameproof enclosure	d		Prevents further transmission of explosion to the outside 1 / 2 / 21 / 22		60079-1
Constructional safety	Ex h	С	Danger of ignition is prevented through equipment design	1 / 2 / 21 / 22	80079-37
Control of ignition sources	Ex h	b	Monitoring of possibly developing ignition sources	1 / 2 / 21 / 22	80079-37
Liquid immersion	Ex h	k	Separates explosive atmosphere from ignition source	1/2	80079-37

Official inspection authorities in Germany certified by an inspection authorit

0035 0102 0123

0158

0588

0637

0556

Chr. Mayr GmbH + Co. KG

Inspection authority

TÜV Rheinland

DEKRA / EXAM

TÜV Süd

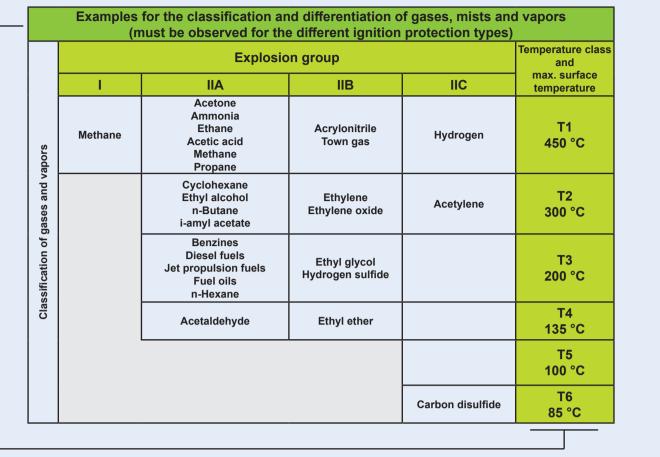
FSA BAM

**IBExU** 

DGUV

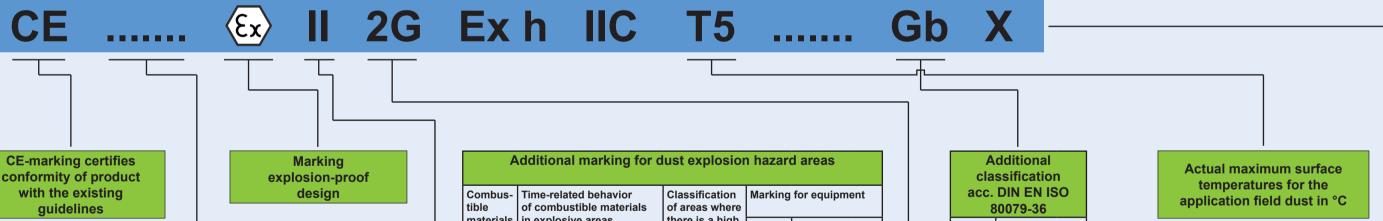
Eichenstraße 1, 87665 Mauerstetten

TÜV Nord



Additional marking for dust explosion hazard areas acc. EN 60079-0					
IIIA	IIIB	IIIC			
flammable lint	non-conductive dust	conductive dust			

If no particular ambient temperature range Ta is specified, the standard range of -20 °C≤Ta≤+40 °C applies. For this, no special marking is necessary. Other ambient temperature ranges must be included in the marking, e.g. -15 °C≤Ta≤+80 °C.



	tible materials	of combustible in explosive ar
	Gases, mists,	are constantly present for prolo or frequently pre
		are occasionally
	vapors	are probably no and, if present, temporarily
		are constantly present for prolo or frequently pro
	Dusts	are occasionally
		are probably no even in whirled rarely or tempor

Combus- tible	of combustible materials	Classification of areas where	Marking for equipment			
materials	in explosive areas	there is a high danger of explosion	Device group	Device category G = Gas D = Dust		
Gases, mists, vapors	are constantly present, present for prolonged periods or frequently present	Zone 0	II	1G		
	are occasionally present	Zone 1	II	1G	2G	
	are probably not present: and, if present, only rarely or temporarily	Zone 2	II	1G	2G	3G
Dusts	are constantly present, present for prolonged periods or frequently present	Zone 20	II	1D		
	are occasionally present	Zone 21	Ш	1D	2D	
	are probably not present even in whirled dust, or are rarely or temporarily present	Zone 22	II	1D	2D	3D
Methane, dust	-	Mining	I	M1		
	-	Mining	ı	M1	M2	

Tel.: +49 8341 804-0

Fax: +49 8341 804-421

acc. DIN EN ISO 80079-36				temperatures application field
Device group	Equipment protection level (EPL)			
=	Ga			Additional co
II	Ga	Gb		Condition
II	Ga	Gb	Gc	Operational equipmer can be used without
III	Da			restriction
III	Da	Db		Observe special operational conditions
Ш	Da	Db	Dc	EX component, partly certified, not suitable
I	Ма			for use on its own;
I	Ма	Mb		CE-conformity is certified after installation into the complete equipment.
				January Carlotte

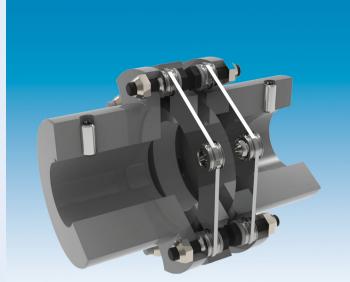
www.mayr.com

E-Mail: public.mayr@mayr.com

al conditions

Marking

X



**Shaft coupling** ROBA®-DS Sizes 16 to 2200:

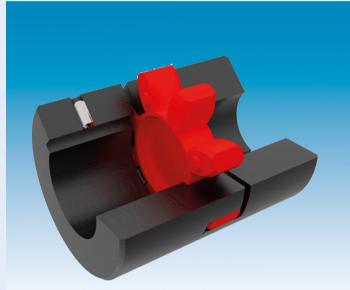
CE ⓑ II 2G Ex h IIC T5 -30 °C≤Ta≤+80 °C Gb CE W II 2D Ex h IIIC T110 °C -30 °C≤Ta≤+80 °C Db

CE 🖾 I M2 Ex h I Mb

ROBA®-DS Sizes 3 to 15: CE ⓑ II 2G Ex h IIC T5 -20 °C≤Ta≤+80 °C Gb

CE ⓑ II 2D Ex h IIIC T110 °C -20 °C≤Ta≤+80 °C Db The coupling marking can deviate dependent on the design of the shaft-

Please observe the respective ATEX Installation and Operational



## **Shaft coupling**

ROBA®-ES:

CE **ⓑ** II 2G Ex h IIC T4/T5/T6 -30 °C≤Ta≤+80/60/45 °C Gb CE ⓑ II 2D Ex h IIIC T110 °C -30 °C≤Ta≤+80/60/45 °C Db

CE 🗟 I M2 Ex h I Mb The coupling marking can deviate dependent on the design of the shaft-

Please observe the respective ATEX Installation and Operational



Safety brake ROBA-stop®-M brake: CE 😡 II3G Ex ec IIC T3 Gc X CE II3D Ex tc IIIC T120 °C IP65/IP54 Dc X

