	up Se	Questionnaire lection of brake systems	KTR-N 24504 EN Sheet: 1 of 4 Edition: 3
Company:			
Address:			
Phone:		Fax:	
Name:		Departme	ent:
E-mail:		Date:	
1 Project details			
Application: (Industry/machine/function/p	erformance, etc.)		
Task/function of brake (Braking method of machine of brake/safety issues/effect: turnover etc.)	system: /task and function s/energy		
2. Brake type			
		Activo	
Mode of operation:		Active	(spring activated/fail-safe)
Mode of operation:		Actively self-locking	 (spring activated/fail-safe) Not yet sorted out
Mode of operation: Preferred design:		Actively self-locking Electromechanical EMB-STOP Does not matter	 (spring activated/fail-safe) Not yet sorted out Hydraulic KTR-STOP[®]
Mode of operation: Preferred design:		Actively self-locking Electromechanical EMB-STOP Does not matter	 (spring activated/fail-safe) Not yet sorted out Hydraulic KTR-STOP[®]
Mode of operation: Preferred design: <u>3. Technical specifi</u>	ication: load	Actively self-locking Electromechanical EMB-STOP Does not matter	 (spring activated/fail-safe) Not yet sorted out Hydraulic KTR-STOP[®]
Mode of operation: Preferred design: <u>3. Technical specifi</u> Braking torque:	ication: load M _b	Actively self-locking Electromechanical EMB-STOP Does not matter	_ Nm
Mode of operation: Preferred design: <u>3. Technical specifi</u> Braking torque: Is a safety factor inclu	ication: load M₀ uded?	Actively self-locking Electromechanical EMB-STOP Does not matter	
Mode of operation: Preferred design: <u>3. Technical specifi</u> Braking torque: Is a safety factor inclu Braking torque 2: (Please define if necessary)	ication: load Mb uded?	Actively self-locking Electromechanical EMB-STOP Does not matter	Nm Required: Nm as:min./max./etc
Mode of operation: Preferred design: <u>3. Technical specifi</u> Braking torque: Is a safety factor inclu Braking torque 2: (Please define if necessary) Driving resp. load torqu during braking process available?	ication: load uded? Mb Mb Mb2	Actively self-locking Electromechanical EMB-STOP Does not matter	_ Nm _ Net yet sorted out _ Hydraulic KTR-STOP [®] _ Nm _ Required: _ Nm as: min./max./etc
Mode of operation: Preferred design: 3. Technical specifi Braking torque: Is a safety factor inclu Braking torque 2: (Please define if necessary) Driving resp. load torqu during braking process available? Max. speed of brake di (When activating the brake)	ication: load Mb uded? Mb Mb Mb ML nma	Actively self-locking Electromechanical EMB-STOP Does not matter	_ Nm _ Net yet sorted out _ Hydraulic KTR-STOP [®] _ Nm _ Required: _ Nm as: min./max./etc _ Nm □ Not available _ rpm

Please observe protection	Drawn:	2018-07-18 Pz	Replacing:	KTR-N dated 2017-05-02
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4. Geometry/mounting space	<u>;e</u>				
Number of brakes per disk:	Ζ		_		
Brake disk Ø:	D _A		mm		
Thickness of brake disk:	D _t		mm		
Outside Ø flange/coupling: (Limitation of mounting space of brake)	D _c		_ mm		
Material of brake disk:			_		
Mounting position of brake disk:	Axis vertical		□ Ax hc β	kis prizontal	β

5. Braking times

Response time required: (Time until 100 % clamping force F _c)	t ₀	Sec.	
Braking time, net: (Time during which braking energy is converted)	t _b	Sec.	ull air gap)
Braking time, gross: (= $t_0 + t_b$)	t _{b tot.}	Sec.	ly brake F _c =100% ped ase brake f _c =0%
Releasing time, net: (Time from release order to 0 % clamping force F _c)	t _{L.0}	Sec.	nmand: appl mping force ke disc stop mand: rele mping force ke status: r
Releasing time, gross: (Time from release order to complete release)	t	Sec.	
Number of actuations per annum:	а _{р. а.}	Cycles p. a.	m line line line line line line line line
Max. frequency: (Actuation per time unit)	a _{p. m.}	Cycles/min	

6. Ambient conditions

Max. ambie operation:	nt temperature during	T _{max}		°C	
Min. ambier operation:	nt temperature during	T _{min}		°C	
Colour:	Electromechanical EMB-STOP		Standard RAL 7035	Other:	
	Hydraulic KTR-STOP [®]		Standard RAL 5005	Other:	
Corrosivene protection: (as per ISO 12	ess class/duration of 944-1 and ISO 12944-2)		Standard C4-H	Other:	
Other specif	fications:				

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Questionnaire Selection of brake systems

7. Electrical interface/connection/signals

Power supply:	Standard 400 V AC/50 Hz				
(Electromechanical EMB-STOP or hydraulic power pack)	Special voltage:	U_{DC}	V		
		U_{AC}	V	Hz	
Backup for power supply:	🗌 Yes		🗌 No		
Control voltage:	Standard 24 V DC				
Output signal:	Released		🗌 Wear		
	Braked		Warning of wear		
Control box for EMB-STOP: (for standard power supply only)	Yes		□ No		

8. Hydraulic power pack

Hydraulic power pack scope of supply/KTR:	
Hydraulic oils specified:	
Features: (e. g. emergency operation, hand pump, etc.)	
Requested feedback on hydraulics:	

9. Intelligent module for controlled braking processes (IntelliRamp [®])						
IntelliRamp [®] required?	Yes	🗌 No				
Required with backup?	Yes	🗌 No				
Control size of IntelliRamp [®] :	Continuous speed	Continuous deceleration				
	Continuous time	Other:				
Electrical interface: (Digital input and output/signal/bus system)						

10. Documentations and specifications by QM

Material quality certificate:			
Initial sample test report:			
ATEX:	Yes	🗌 No	
Other:			

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11. Other

Special features of application known:	
Special requests from customers:	
Competitive products known:	
Installation space to be requested/known: (if possible, CAD model)	
Meeting with special standards:	
Other information:	

12. Sketches/photos of application

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