

Technical Details
Operating and Ambient Conditions

	Boxes with terminals		Removable grommets	Boxes with terminals	
	D ..., DP ..., DPC ..., DE ..., KC ..., K ..., RD ..., RK ...	K 7055 K 7004/5 K 9951 K 1204/5 K 2404/5 K 2401 Mi FM ..	EKA 20, ERA 20, DPS 02	KF ...	KD ...
Application area	Suitable for indoor installation (normal environment and/or protected outdoor)			Suitable for outdoor installation (harsh environment and/or outdoor)	
Resistant to occasional cleaning procedures	Resistant to occasional cleaning procedures (direct jet) max. with high-pressure cleaner without additives water pressure: max. 100 bar, water temperature: max. 80° C, distance ≥ 0.15 m in accordance with the requirements IP 69K box and cable entries at least IP 65				
Ambient temperature					
- Average value over 24 hours	+ 35° C	+ 35° C	+ 35° C	+ 55° C	+ 55° C
- Maximum value	+ 40° C	+ 40° C	+ 40° C	+ 70° C	+ 70° C
- Minimum value	- 25° C	- 25° C	- 25° C	- 25° C	- 25° C
Relative humidity					
- short-time	50% at 40° C 100% at 25° C	50% at 40° C 100% at 25° C	- -	50% at 40° C 100% at 25° C	50% at 40° C 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 650° C for boxes and cable glands - 850° C for conducting components				
Fire protection in the event of specific risks or hazards	Demands placed on electrical installations and devices in areas and facilities subject to fire risk, e.g. DIN VDE 0100 Part 482 (German standard), official regulations, VdS directives Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 850° C für Gehäuse und Leitungseinführungen - 850° C for cavity wall installation - use of fire resistant cables				
Burning behaviour					
- Glow wire test IEC 60 695-2-11	750° C V-2	960° C V-2	750° C -	960° C V-0	960° C 5 V
- UL Subject 94	flame-retardant self-extinguishing	flame-retardant self-extinguishing	flame-retardant self-extinguishing	flame-retardant self-extinguishing	flame-retardant self-extinguishing
Degree of protection against mechanical load	IK07 (2 Joule)	IK08 (5 Joule)	-	IK08 (5 Joule)	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free

“Halogen-free” in accordance with IEC 754-2 “Common test methods for cables - Determination of the amount of halogen acid gas”.

To material properties see technical data.

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	Empty boxes	Removable grommets	Empty boxes	Empty boxes
	D ..., DP ..., DE ..., K 9..., K 8...	EKA 20, ERA 20, DPS 02	KF ...	KD ...
Application area	Suitable for indoor installation (normal environment and/or protected outdoor)		Suitable for outdoor installation (harsh environment and/or outdoor)	
Resistant to occasional cleaning procedures	Resistant to occasional cleaning procedures (direct jet) max. with high-pressure cleaner without additives water pressure: max. 100 bar, water temperature: max. 80° C, distance ≥ 0.15 m in accordance with the requirements IP 69K box and cable entries at least IP 65			
Ambient temperature				
- Average value over 24 hours	-	+ 35° C	+ 55° C	+ 55° C
- Maximum value	+ 40° C	+ 60° C	+ 70° C	+ 70° C
- Minimum value	- 25° C	- 25° C	- 25° C	- 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 650° C for boxes and cable glands - 850° C for conducting components			
Fire protection in the event of specific risks or hazards	Demands placed on electrical installations and devices in areas and facilities subject to fire risk, e.g. DIN VDE 0100 Part 482 (German standard), official regulations, VdS directives Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 850° C für Gehäuse und Leitungseinführungen - 850° C for cavity wall installation - use of fire resistant cables			
Burning behaviour				
- Glow wire test IEC 60 695-2-11	750° C	750° C	960° C	960° C
- UL Subject 94	V-2 flame-retardant self-extinguishing	- flame-retardant self-extinguishing	V-0 flame-retardant self-extinguishing	5V flame-retardant self-extinguishing
Degree of protection against mechanical load	IK07 (2 Joule)	-	IK08 (5 Joule)	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free
	"Halogen-free" in accordance with IEC 754-2 "Common test methods for cables - Determination of the amount of halogen acid gas". To material properties see technical data.			

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	Boxes with terminals
	KF WP
Application area	Suitable for outdoor installation (harsh environment and/or outdoor). For application in ambient conditions with formation of condensation and ingress of water as well as for installation in the ground without traffic loads in accordance with DIN VDE V 0606-22-100.
Resistant to occasional cleaning procedures	Resistant to cleaning procedures (direct jet) max. with high-pressure cleaner without additives, water temperature: max. 80° C
Ambient temperature - Average value over 24 hours - Maximum value - Minimum value	+ 55° C + 70° C - 25° C
Relative humidity	100%
Brennverhalten - Glühdrahtprüfung nach IEC 60 695-2-11 - UL Subject 94	960° C V-0 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free