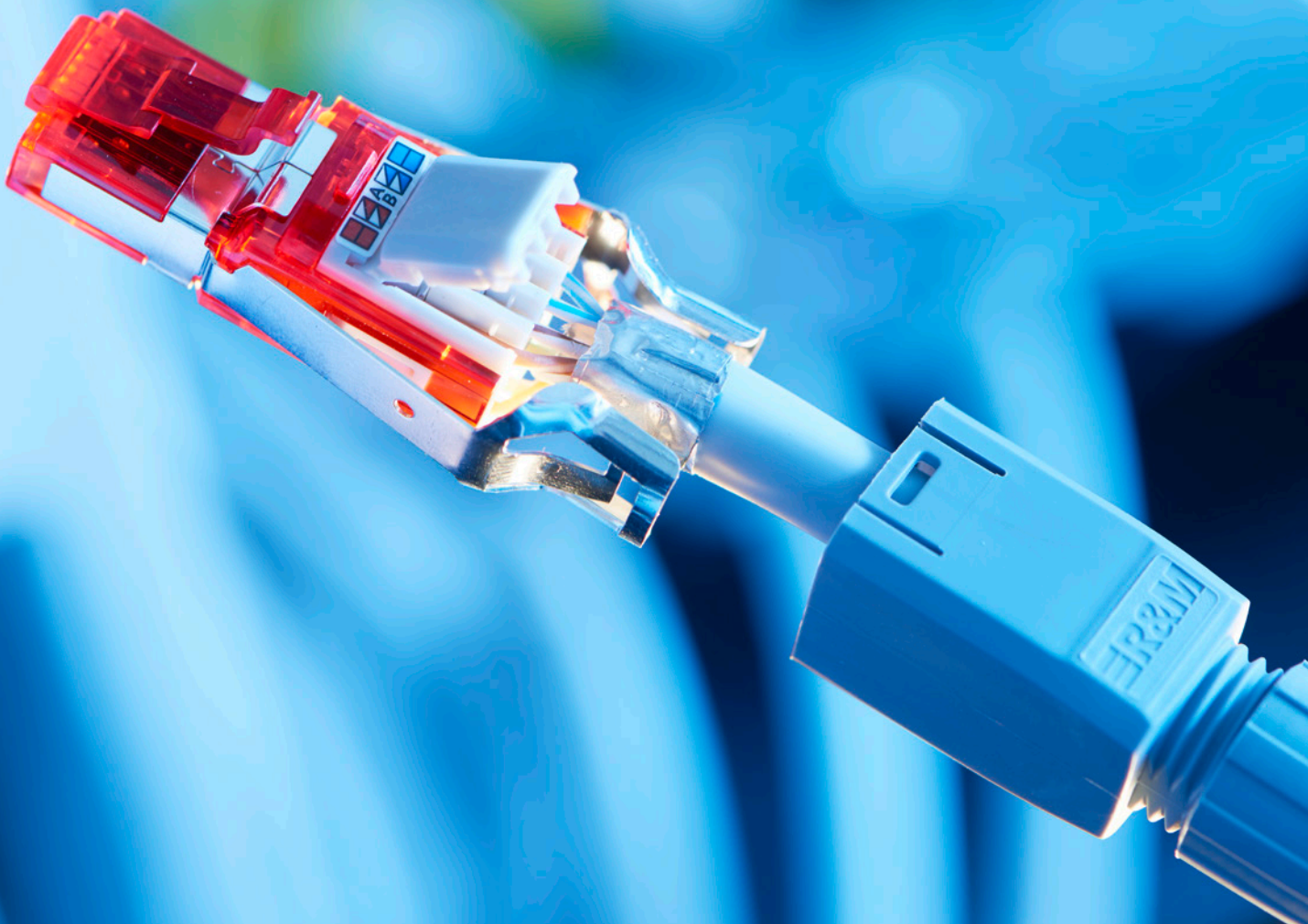


Quickreference: FM45 Connector Family

Assembling in the field has a name: FM45

The FM45 product family provides a fast, secure and reliable solution for termination on-site.

The field-terminated RJ45 connector FM45 fulfills all requirements specified in the relevant standards for structured cabling systems, i.e. ISO/IEC 24702. Furthermore, thanks to the reliable cable-wiring IDC technology used, FM45 products are particularly suitable for outdoor applications and PoE (Power over Ethernet) applications.



Version: January 2016

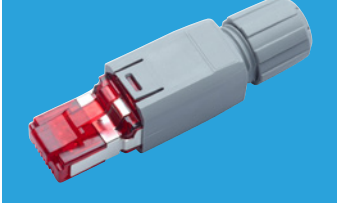


Convincing cabling solutions

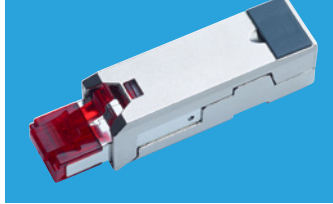
ELECTROSÓN

CAT 6_A VERSION

090.7437

FM45C6_A/s plastic housing**R815651**

090.7435

FM45C6_A/s metal housing**R814567**

090.7434

FM45C6_A/s IP 67, type 6 housing**R814568**

ACCESSORIES

090.2158



FM45 Color Coding Clip

R311580 blue
R311569 brown
R311579 yellow
R311570 gray
R311577 green
R311571 red
R311575 violet
R311561 anthracite

i fits to grey plastic housing IP20

090.5608

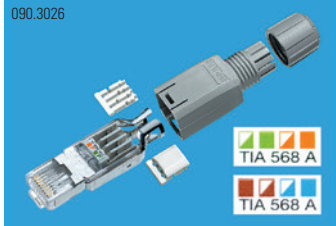


Color Coding

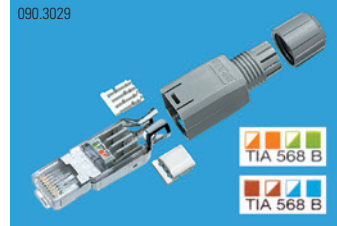
R510658 anthracite
R510659 yellow
R510660 violet
R510661 blue
R510662 grey
R510663 green
R510664 brown
R510665 red

i fits to grey metal housing IP20

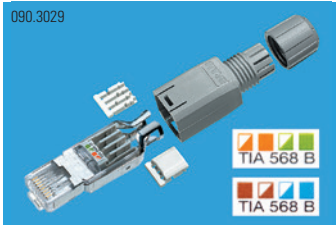
CAT 5E/S VERSION



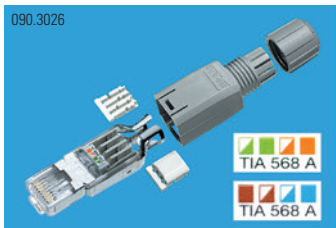
FM45-s/u IP20, AWG23-26,568A

R312231

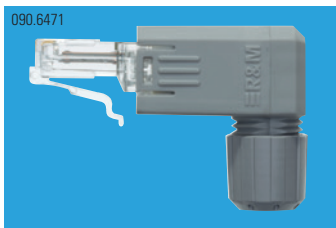
FM45-s/u IP20, AWG23-26,568B

R320374

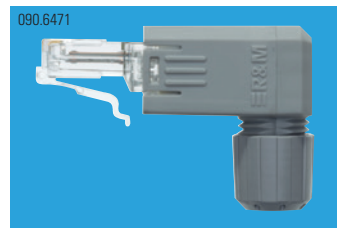
FM45-s/u IP20, AWG23-26,568B

R802919

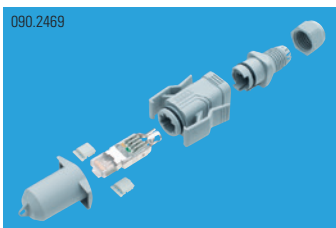
FM45-s/u IP20, AWG22-23,568A

R510667

FM45-u IP20, AWG23-26,568A

R803498

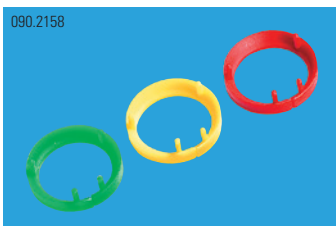
FM45-u IP20, AWG23-26,568B

R803499

FM45-u/s IP67, AWG23-26,568A

R314686

ACCESSORIES



FM45 Color Coding Clip

R311580 blue
R311569 brown
R311579 yellow
R311570 gray
R311577 green
R311571 red
R311575 violet
R311561 anthracite

i fit to grey plastic housing IP20



Color Coding

R510658 anthracite
R510659 yellow
R510660 violet
R510661 blue
R510662 grey
R510663 green
R510664 brown
R510665 red

i fit to grey metal housing IP20

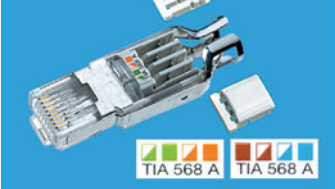
ELECTROSÓN

CAT 6_A VERSION

090.7436

Connector Body Cat 6_A**R814569****CAT 5e VERSION**

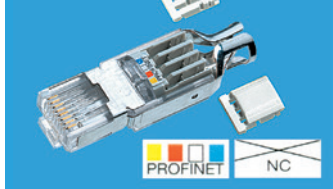
090.3021



FM45 TIA 568A

R320375

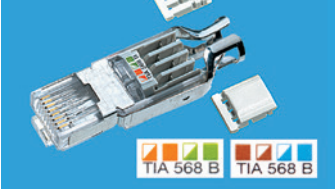
090.3032



FM45 PNO

R320370

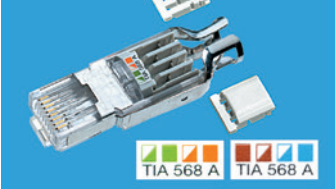
090.3028



FM45 TIA 568B

R320376**AWG 23 /23 VERSIONS**

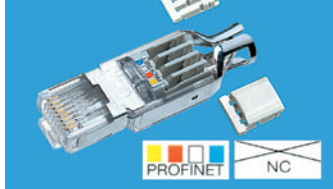
090.3021



FM45 s/u, AWG22-AWG23,TIA 568A

R510108

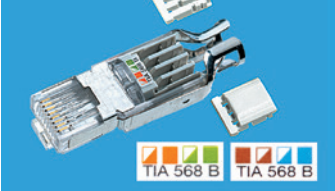
090.3032



FM45 s/u, AWG22-AWG23,PNO

R510107

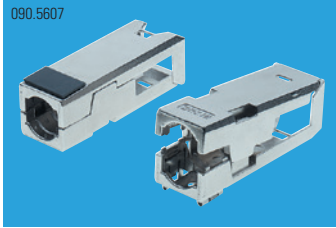
090.3028



FM45 s/u, AWG22-AWG23,TIA 568B

R510109

IP 20 VERSIONS



FM45 metal housing (FM45 Industry)

R510110

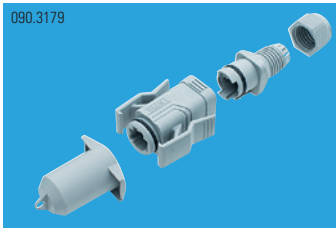
COLOUR CODING FOR IP20 HOUSING, METAL



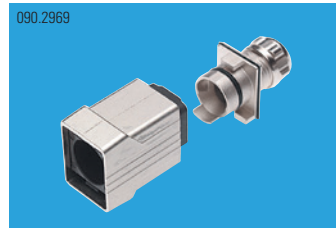
Colour coding for IP20 housing, metal

R510658 anthracite
R510659 Yellow
R510660 violet
R510661 blue
R510662 grey
R510663 green
R510664 braun
R510665 red

SHELLS IP 65/67 CONNECTORS



Interbus

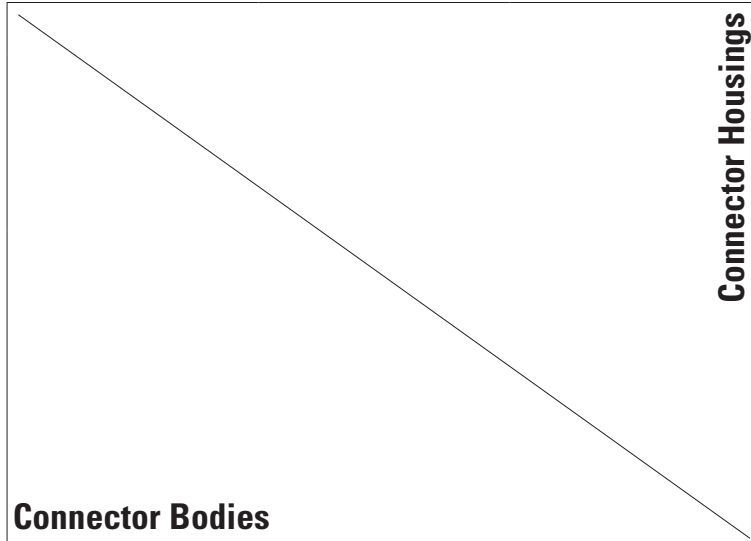
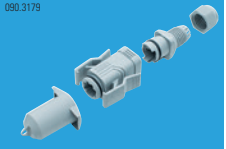

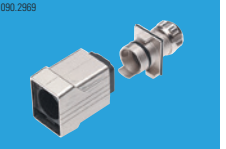
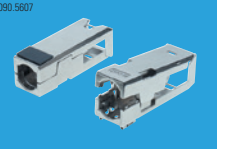



R320691

PNO, metal

R320685

PNO, plastic

R320687

Connector Bodies			Connector Housings				
			no housing	R320691 type 6	R320687 type 14, plastic	R320685 type 14, metal	R510110 Industry Housing R&M
							
			<ul style="list-style-type: none"> single part as insert for customer specified shells and housings 	<ul style="list-style-type: none"> geometry acc. IEC 61076-3-106 TYPE 6 IP 67 add. mechanical relief due to the sidewise clamps MICE classification: <ul style="list-style-type: none"> - M = 3 - I = 3 - C = 2 - E = n.a. cable Ø < 8,0mm good outdoor suitability 	<ul style="list-style-type: none"> geometry acc. IEC 61076-3-106 TYPE 14 / PNO IP 65 push pull MICE classification: <ul style="list-style-type: none"> - M = 3 - I = 2 - C = 2 - E = n.a. cable Ø < 8,0mm good outdoor suitability 	<ul style="list-style-type: none"> geometry acc. IEC 61076-3-106 TYPE 14 / PNO IP 67 push pull MICE classification: <ul style="list-style-type: none"> - M = 3 - I = 3 - C = 3 - E = n.a. cable Ø < 8,0mm excellent outdoor suitability 	<ul style="list-style-type: none"> geometry proprietary R&M IP 20 cable Ø < 10,0mm
R814569 FM45 Cat 6a/s AWG 22-26 TIA 568 A/B R320375 FM45 Cat 5e/s AWG 26-AWG23; TIA 568 A R320376 FM45Cat 5e/s AWG 26-AWG23; TIA 568 B		<ul style="list-style-type: none"> 8-pol AWG 26 – AWG 23 <ul style="list-style-type: none"> – solid wire – stranded wire wire insulation < 1,6mm labeling acc. TIA 568A MICE classification: <ul style="list-style-type: none"> - E = 2 		<ul style="list-style-type: none"> harsh environmental adoptions <ul style="list-style-type: none"> – heavy industry – outdoor harsh mechanical (vibration, traction) adoptions <ul style="list-style-type: none"> - e.g. antenna uplink IP67 applications connecting onto mobile devices 	<ul style="list-style-type: none"> harsh environmental adoptions <ul style="list-style-type: none"> – heavy industry – outdoor IP65 applications Automation 	<ul style="list-style-type: none"> harsh environmental adoptions <ul style="list-style-type: none"> – heavy industry – outdoor IP67 applications Automation 	<ul style="list-style-type: none"> customer probably feels better than with the standard plastic housing IP20
R814569 FM45 Cat 6a/s AWG 22-26 TIA 568 A/B R510108 FM45 s/u AWG 23-AWG22 TIA 568 A R510109 FM45 s/u AWG 23-AWG22 TIA 568 B		<ul style="list-style-type: none"> 8-pol AWG 26 – AWG 23 <ul style="list-style-type: none"> – solid wire – stranded wire wire insulation < 1,6mm MICE classification: <ul style="list-style-type: none"> - E = 2 labeling acc. TIA 568B 					
R510107 FM45 s/u AWG 23-AWG22 PNO (2-pair)		<ul style="list-style-type: none"> 4-pol AWG 26 – AWG 23 <ul style="list-style-type: none"> – solid wire – stranded wire wire insulation < 1,6mm MICE classification: <ul style="list-style-type: none"> - E = 2 labeling acc. PNO 	unusual combination	<ul style="list-style-type: none"> MICE 2 Applications indoor according PNO Guideline (Automation) IP65 applications 	<ul style="list-style-type: none"> MICE 3 Applications indoor according PNO Guideline (Automation) IP67 applications 	<ul style="list-style-type: none"> MICE 1 Applications indoor according PNO Guideline (Automation) IP20 applications 	
		Accessories		mounting frame R309588 protection cap R309589	mounting frame R320686 protection cap R320689	mounting frame R320690 protection cap R320689	colour coding clips

ELECTROSÓN