



ESCHA

M12 Push-Pull

Overmoulded connectors with inner locking

EN

Technical data

Insulation resistance	$\geq 10^8 \Omega$
Ambient temperature	-40°C...90°C
Materials contacts	Metal, gold-plated
Materials contact carrier	Plastic, TPU or PA
Material grip body	Plastic, TPU
Standards	IEC 61076-2-010
Standards rail approved	DIN EN 50155, DIN EN 45545-2
Protection class (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3

With the new overmolded push-pull connectors, a complete push-pull system consisting of a flange and a connector is now available. The quick, tool-free locking mechanism with tactile feedback simplifies handling, reduces assembly times, and is also suitable for applications subject to vibration. The shielded and unshielded versions are available in A, D, and X coding for signal, fieldbus, and Ethernet applications.



SENSOR/ACTUATOR				DATA TRANSMISSION		TRANSPORTATION							
unshielded		shielded		shielded		unshielded				shielded			
↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗
								Thread for protective hose				Thread for protective hose	
3, 4, 4+PE, 5, 8, 12 A		3, 4, 5, 8, 12 A		4 D 8 X		4, 8 A				4, 8 A 4 D 8 X	4, 8 A 4 D 8 X	4, 8 A 4 D 8 X	4, 8 A 4 D 8 X
PVC GY (P00) PVC UL GY (P01) PUR UL BK (S370) PUR UL BK easystrip (S400)		PVC GY (P00) PVC UL GY (P01) PUR UL BK (S370)		PUR Cat5e Profinet Typ C UL GN (S2171) PUR Cat5e 1x4xAWG26 UL GN (S3400) PUR Cat5e Profinet robotic UL GN (S5100) PUR Cat7 4x2xAWG26 UL GN (S3500) PUR Cat7 4x2xAWG24 torsion UL GN (S4030) PUR Cat6 4x2xAWG26 drag chain UL GN (S4031)		RADOX® 4x0.5mm² EN 50306-4 BK (S4500) RADOX® 4x0.75mm² EN 50306-4 BK (S4501) RADOX® 4x1.0mm² EN 50306-4 BK (S4502) SABIX® 8x0.25mm² GY (S5550)				RADOX® 4x0.5mm² EN 50306-4 BK (S4500) RADOX® 4x0.75mm² EN 50306-4 BK (S4501) RADOX® 4x1.0mm² EN 50306-4 BK (S4502) SABIX® 8x0.25mm² GY (S5550) Cat5e RADOX® 1 x 4 x AWG22 BK reduced wire (S4002) Cat5e RADOX® 1 x 4 x AWG22 BU reduced wire (S4002BU) Cat5e RADOX® 1 x 4 x AWG22 BK robust (S4003) Cat5e RADOX® 1 x 4 x AWG22 BU ECO (S4004) Cat5e BETAtrans® 1 x 4 x AWG22 BU reduced wire (S5002BU) Cat7 RADOX® 4x2xAWG24 robust BU (S4005) Cat7 BETAtrans® 4x2xAWG26 reduced wire VT (S5006VT)			

Shown here is our standard entry-level portfolio, which includes single-ended cordsets in lengths of 2, 5, and 10 meters, as well as double-ended cordsets in lengths of 1, 2, and 5 meters. We are happy to provide additional variants, codings, cable lengths, and cable qualities upon request.