DATASHEET - PFDM-125/4/003



Residual current circuit-breaker, 125A, 4p, 03mA, AC-Char

Powering Business Worldwide*

Part no. PFDM-125/4/003 Catalog No. 235916

Similar to illustration

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	125
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	33.6
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
			Starting at 40 °C, the max. permissible continuous current decreases by 2.2% for every 1 °C

Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (pc)(0xs10.01-171-14-27-01 [AAR906014])

Reted voltage V 400 Reted current A 125 Reted insulation voltage Uin V 400 Reted impulse withstand voltage Uimp VV 400 Mounting method VV 400 Release current type AC 101 reil Selective protection V AC Short-time delayed tripping NO NO Short-circuit breaking capacity (Icw) KA 0 Storge current capacity KA 0 Reteguency Ves Ves Additional equipment possible Yes With interlocking device Yes Poly Degree of protection (IP) Yes With in number of modular spacings Yes Poly Built-in depth mm 7.5 Ambient temperature during operating "C 25-40 Pollution degree Temperature during operating "C 25-40 Pollution degree Temperature during operating Temperature during operating Temperature during operating Temperature durin	(ecl@ss10.0.1-27-14-22-01 [AAB906014])		
As ted fault current As ted insulation voltage Uir Asted insulation voltage Uirp Asted impulse withstand voltage Uirp Asted impulse With in number of modular spacings Asted impulse With in	Number of poles		4
As a bed fault current mA 30 As a bed insulation voltage Ui V 400 As a bed insulation voltage Uimp VV 4 Mounting method DIN rail DIN rail Leakage current type AC AC Selective protection No No Short-time delayed tripping KA 10 Short-circuit breaking capacity (lcw) KA 0.2 Surge current capacity KA 0.2 Frequency Yes Ves Additional equipment possible Yes Yes With interlocking device Yes Percentage of protection (IP) Yes With in number of modular spacings Image: Market of the protection (IP) Percentage of the protection	Rated voltage	V	400
Rated insulation voltage Uing V 400 Rated impulse withstand voltage Uimp kV 4 Mounting method IDIN rail Leakage current type AC AC Selective protection No No Short-time delayed tripping KA 10 Short-circuit breaking capacity (Icw) kA 0.2 Stage current capacity kA 0.2 Stage current capacity Ves Ves Additional equipment possible Yes Ves With interlocking device P20 P20 Degree of protection (IP) P20 P20 With in number of modular spacings Mm 71.5 Sull-in depth mm 71.5 Ambient temperature during operating °C -25 - 40 Connectable conductor cross section multi-wired mm 1.5 - 16	Rated current	Α	125
Additional equipment possible With interlocking device Degree of protection (IP) With interlocking device Degree of prot	Rated fault current	mA	30
Mounting method Leakage current type Leakage typing Lyping	Rated insulation voltage Ui	V	400
Leakage current type Selective protection Short-time delayed tripping Short-circuit breaking capacity (Icw) Short-circuit breaking capacity (Icw) Surge current capacity Additional equipment possible Additional equipment possible Additional equipment possible With interlocking device Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired Michigan Michigan AC No No No 1 1 1 2 5 1 5 1 7 7 8 1 7 8 1 7 8 1	Rated impulse withstand voltage Uimp	kV	4
Selective protection Short-time delayed tripping Short-circuit breaking capacity (Icw) Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible With interlocking device With interlocking device Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired No	Mounting method		DIN rail
Short-time delayed tripping Short-circuit breaking capacity (Icw) Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible With interlocking device Degree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired No No No No 10 2 2 3 4 4 4 7 5 7 5 7 5 7 5 7 5 7 5 7 6 7 6 7 7 7 7	Leakage current type		AC
Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible With interlocking device Degree of protection (IP) Width in number of modular spacings Auditional equipment possible Width in number of modular spacings Auditional equipment possible Width in number of modular spacings Auditional equipment possible Width in number of modular spacings Width in number of modular spacings Audition degree Connectable conductor cross section multi-wired KA 10 10 12 15 16 16 17 18 18 18 18 18 18 18 18 18	Selective protection		No
Surge current capacity KA 0.2 Frequency Additional equipment possible With interlocking device Pogree of protection (IP) Width in number of modular spacings Built-in depth Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired KA 0.2 50 Hz Yes Yes Pollution Mm 71.5 Ambient temperature during operating Connectable conductor cross section multi-wired MA D.2 Connectable conductor cross section multi-wired Ambient temperature during operating Mm 1.5 - 16	Short-time delayed tripping		No
Frequency Additional equipment possible With interlocking device Ves Degree of protection (IP) Width in number of modular spacings With interlocking operating Midth in number of modular spacings Midth in number of modular spacings Midth in depth Midth in mm Midth in depth Midth in mm Midth in depth Midth in depth Midth in depth Midth in mm Midth in depth Midth in number of modular spacings Midth in number of modular	Short-circuit breaking capacity (Icw)	kA	10
Additional equipment possible With interlocking device Degree of protection (IP) Width in number of modular spacings Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired Yes Yes Pros Pros	Surge current capacity	kA	0.2
With interlocking device Pegree of protection (IP) Width in number of modular spacings Width in number of modular spacings Width in number of modular spacings Width in depth mm 71.5 Ambient temperature during operating "C" -25 - 40 Pollution degree Connectable conductor cross section multi-wired mm² 1.5 - 16	Frequency		50 Hz
Degree of protection (IP) Width in number of modular spacings Built-in depth mm 71.5 Ambient temperature during operating Pollution degree Connectable conductor cross section multi-wired Pollution degree mm² 1.5 - 16	Additional equipment possible		Yes
Width in number of modular spacings Built-in depth mm 71.5 Ambient temperature during operating °C -25 - 40 Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	With interlocking device		Yes
Built-in depth mm 71.5 Ambient temperature during operating °C -25 - 40 Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	Degree of protection (IP)		IP20
Ambient temperature during operating °C -25 - 40 Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	Width in number of modular spacings		4
Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	Built-in depth	mm	71.5
Connectable conductor cross section multi-wired mm ² 1.5 - 16	Ambient temperature during operating	°C	-25 - 40
	Pollution degree		2
Connectable conductor cross section solid-core mm ² 15 - 50	Connectable conductor cross section multi-wired	mm²	1.5 - 16
Animotopic content of the content of	Connectable conductor cross section solid-core	mm²	1.5 - 50

Dimensions

